# **Product Datasheet**

# SOX10 Antibody (SOX10/991) [DyLight 488] NBP2-59621G

Unit Size: 100 ul

Store at 4C in the dark.

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### NBP2-59621G

SOX10 Antibody (SOX10/991) [DyLight 488]

Unit Size 100 ul  Concentration Please see the vial label for concentration. If unlisted please contact technical services.  Storage Store at 4C in the dark.  Clonality Monoclonal  Clone SOX10/991  Preservative 0.05% Sodium Azide  Isotype IgC2b Kappa  Conjugate DyLight 488  Purity Protein A or G purified  Buffer SomM Sodium Borate  Product Description  Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse  Gene ID 6663  Gene Symbol SOX10  Species Human, Mouse  Marker Melanoma Marker  Specificity/Sensitivity The specificity of this monoclonal antibody to its intended target was validated by HuProtTM Array, containing more than 19,000, full-length human proteins. Recognizes a protein of -55kDa, identified as SOX10. This monoclonal antibody is highly specific and does not cross-react with other members of the SOX. family, SOX genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequence-specific DNA-binding activity. SOX.10 is a sensitive marker of melanoma, include unelanomas and nodal capsular nevus in sentinel lymph nodes, but not by other lymph node components such as dendritic cells, which usually express 5100 protein. Commonly used melanoma markers, such as anti-HMB-45 and anti-Melan-A, are poorly expressed in desmoplastic melanomas, include and melanomas. In normal tissues, it is expressed in Schwann cells, melanomas. In normal tissues, it is expressed in Schwann cells, melanomas, and nowaperithelial cells of salivary, bronchial and mammary glands. SOX-10 is considered as a very reliable marker for recognizing residual densemplastic melanomas. SOX-10 is considered as a very reliable marker for recognizing residual densemplastic melanomas. In normal tissues, it is expressed in Schwann cells, melanomas, and noderately to strongly expressed in desmoplastic melanomas. SoX-10 is considered as a	SOATO Antibody (SOATO/991) [D	yLight 400j
Please see the vial label for concentration. If unlisted please contact technical services.	Product Information	
Storage Store at 4C in the dark.  Clonality Monoclonal  Clone SOX10/991  Preservative 0.05% Sodium Azide  Isotype IgG2b Kappa  Conjugate DyLight 488  Purity Protein A or G purified  Buffer 50mM Sodium Borate  Product Description  Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse  Gene ID 6663  Gene Symbol SOX10  Species Human, Mouse  Marker Melanoma Marker  Specificity/Sensitivity The specificity of this monoclonal antibody to its intended target was validated by HuProtTM Array, containing more than 19,000, full-length human proteins. Recognizes a protein of ~55kDa, identified as SOX10. This monoclonal antibody is highly specific and does not cross-react with other members of the SOX-tamily, SOX genes comprise a lamily of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. SOX-10 is a sensitive marker of melanoma, including conventional, spindled, and desmoplastic subtypes. It is expressed by metastatic melanomas and nodal capsular nevus in sertinel lymph nodes, but not by other lymph node components such as dendritic cells, which usually express \$100 protein. Commonly used melanoma markers, such as anti-HMB-45 and anti-Melan-A, are poorly expressed in desmoplastic melanomas side source as a very reliable marker for recognizing residual desmoplastic melanomas. SOX-10 is considered as a very reliable marker for recognizing residual desmoplastic melanomas. In normal tissues, it is expressed in Schwann cells, melanocytes, and mycepithelial cells of salivary, bronchial and mammary glands. SOX-10 expression is also observed in mast cells.	Unit Size	100 ul
Clonality Monoclonal Clone SOX10/991 Preservative 0.05% Sodium Azide Isotype IgG2b Kappa Conjugate DyLight 488 Purity Protein A or G purified Buffer 50mM Sodium Borate  Product Description  Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse Gene ID 6663 Gene Symbol SOX10 Species Human, Mouse Marker Melanoma Marker  Specificity/Sensitivity The specificity of this monoclonal antibody to its intended target was validated by HuProTTM Array, containing more than 19,000, full-length human proteins. Recognizes a protein of ~55kDa, identified as SOX10. This monoclonal antibody is highly specific and does not cross-react with other members of the SOX-family, SOX genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. SOX-10 is a sensitive marker of melanoma, including conventional, spindled, and desmoplastic subtypes. It is expressed by metastatic melanomas and nodal capsular nevus in sentinel lymph nodes, but not by other lymph node components such as dendritic cells, which usually express S100 protein. Commonly used melanoma markers, such as anti-HMB-45 and anti-Melan-A, are poorly expressed in desmoplastic melanomas shill soXx-10 is noderately to strongly expressed in desmoplastic melanomas. SOX-10 is considered as a very reliable marker for recognizing residual desmoplastic melanomas. In normal tissues, it is expressed in Schwann cells, melanocytes, and mycepithelial cells of salivary, bronchial and mammary glands. SOX-10 expression is also observed in mast cells.  Immunogen	Concentration	· ·
Clone SOX10/991  Preservative 0.05% Sodium Azide  Isotype 1gG2b Kappa  Conjugate DyLight 488  Purity Protein A or G purified  Buffer 50mM Sodium Borate  Product Description  Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse  Gene ID 6663  Gene Symbol SOX10  Species Human, Mouse  Marker Melanoma Marker  Specificity/Sensitivity The specificity of this monoclonal antibody to its intended target was validated by HuProtTM Array, containing more than 19,000, full-length human proteins. Recognizes a protein of ~55kDa, identified as SOX10. This monoclonal antibody is highly specific and does not cross-react with other members of the SOX-tamily. SOX genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. SOX-10 is a sensitive marker of melanomas requances that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. SOX-10 is a sensitive marker of melanomas including conventional, spindled, and desmoplastic cultypes. It is expressed by metastatic melanomas and nodal capsular nevus in sentinel lymph nodes, but not by other lymph node conventional, spindled, and desmoplastic cells, which usually express \$100 protein. Commonly used melanoma markers, such as anti-HMB-45 and anti-Melan-A, are poorly expressed in desmoplastic melanomas. SOX-10 is nonferately to strongly expressed in desmoplastic melanomas solid son solidation of the sequence is proprietary) (Uniprot: P56693)  Notes	Storage	Store at 4C in the dark.
Preservative 0.05% Sodium Azide  Isotype	Clonality	Monoclonal
IgG2b Kappa	Clone	SOX10/991
Conjugate DyLight 488 Purity Protein A or G purified Buffer 50mM Sodium Borate  Product Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse Gene ID 6663 Gene Symbol SOX10 Species Human, Mouse Marker Melanoma Marker Specificity/Sensitivity The specificity of this monoclonal antibody to its intended target was validated by HuProtTM Array, containing more than 19,000, full-length human proteins. Recognizes a protein of ~55kDa, identified as SOX10. This monoclonal antibody is highly specific and does not cross-react with other members of the SOX-family. SOX genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. SOX 10 is a sensitive marker of melanoma, including conventional, spindled, and desmoplastic subtypes. It is expressed by metastatic melanomas and nodal capsular nevus in sentinel lymph nodes, but not by other lymph node components such as dendritic cells, which usually express \$100 protein. Commonly used melanoma markers, such as anti-HMB-45 and anti-Melan-A, are poorly expressed in desmoplastic melanomas while SOX-10 is moderately to strongly expressed in desmoplastic melanomas. SOX-10 is considered as a very reliable marker for recognizing residual desmoplastic melanomas. In normal tissues, it is expressed in Schwann cells, melanovytes, and myoepithelial cells of salivary, bronchial and mammary glands. SOX-10 expressor is also observed in mast cells.  Immunogen Recombinant human SOX10 protein fragment (around aa115-269) (exact sequence is proprietary) (Uniprot: P56693)	Preservative	0.05% Sodium Azide
Purity Protein A or G purified  Buffer 50mM Sodium Borate  Product Description  Description This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Host Mouse  Gene ID 6663  Gene Symbol SOX10  Species Human, Mouse  Marker Melanoma Marker  Specificity/Sensitivity The specificity of this monoclonal antibody to its intended target was validated by HuProtTM Array, containing more than 19,000, full-length human proteins. Recognizes a protein of ~55kDa, identified as SOX10. This monoclonal antibody is highly specific and does not cross-react with other members of the SOX-family. SOX genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. SOX-10 is a sensitive marker of melanoma, including conventional, spindled, and desmoplastic subtypes. It is expressed by metastatic melanomas and nodal capsular nevus in sentinel lymph nodes, but not by other lymph node components such as dendritic cells, which usually express \$100 protein. Commonly used melanoma markers, such as anti-HMB-45 and anti-Melan-A, are poorly expressed in desmoplastic melanomas. SOX-10 is considered as a very reliable marker for recognizing residual desmoplastic melanomas. In normal tissues, it is expressed in Schwann cells, melanocytes, and myoepithelial cells of salivary, bronchial and mammary glands. SOX-10 expression is also observed in mast cells.  Immunogen Recombinant human SOX10 protein fragment (around aa115-269) (exact sequence is proprietary) (Uniprot: P56693)	Isotype	IgG2b Kappa
Product Description	Conjugate	DyLight 488
Product Description  This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.  Mouse  Gene ID  6663  Gene Symbol  SOX10  Species  Human, Mouse  Marker  Melanoma Marker  Specificity/Sensitivity  The specificity of this monoclonal antibody to its intended target was validated by HuProlTM Array, containing more than 19,000, full-length human proteins. Recognizes a protein of ~55kDa, identified as SOX10. This monoclonal antibody is highly specific and does not cross-react with other members of the SOX-family. SOX genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMC-box domain, which is responsible for the sequence-specific DNA-binding activity. SOX-10 is a sensitive marker of melanoma, including conventional, spinidled, and desmoplastic subtypes. It is expressed by metastatic melanomas and nodal capsular nevus in sentinel lymph nodes, but not by other lymph node components such as dendritic cells, which usually express \$100 protein. Commonly used melanoma markers, such as anti-HMB-45 and anti-Melan-A, are poorly expressed in desmoplastic melanomas. SOX-10 is moderately to strongly expressed in desmoplastic melanomas. SOX-10 is moderately to strongly expressed in desmoplastic melanomas. SOX-10 is considered as a very reliable marker for recognizing residual desmoplastic melanomas. In normal tissues, it is expressed in Schwann cells, melanocytes, and myoepithelial cells of salivary, bronchial and mammary glands. SOX-10 expression is also observed in mast cells.  Immunogen  Recombinant human SOX10 protein fragment (around aa115-269) (exact sequence is proprietary) (Uniprot: P56693)	Purity	Protein A or G purified
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Gene Symbol  Sox10  Species  Human, Mouse  Marker  Melanoma Marker  Specificity/Sensitivity  The specificity of this monoclonal antibody to its intended target was validated by HuProtTM Array, containing more than 19,000, full-length human proteins. Recognizes a protein of ~55kDa, identified as SOX10. This monoclonal antibody is highly specific and does not cross-react with other members of the SOX-family. SOX genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequence-specific DNA-binding activity. SOX-10 is a sensitive marker of melanoma, including conventional, spindled, and desmoplastic subtypes. It is expressed by metastatic melanomas and nodal capsular nevus in sentinel lymph nodes, but not by other lymph node components such as dendritic cells, which usually express \$100 protein. Commonly used melanoma markers, such as anti-HMB-45 and anti-Melan-A, are poorly expressed in desmoplastic melanomas while SOX-10 is moderately to strongly expressed in desmoplastic melanomas. SOX-10 is considered as a very reliable marker for recognizing residual desmoplastic melanomas. In normal tissues, it is expressed in Schwann cells, melanocytes, and myoepithelial cells of salivary, bronchial and mammary glands. SOX-10 expression is also observed in mast cells.  Immunogen  Recombinant human SOX10 protein fragment (around aa115-269) (exact sequence is proprietary) (Uniprot: P56693)	Description	volume of this product. The volume will be greater than or equal to the unit size
Sox10	Host	Mouse
Species   Human, Mouse	Gene ID	6663
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sequence is proprietary) (Uniprot: P56693)  Notes	Specificity/Sensitivity	HuProtTM Array, containing more than 19,000, full-length human proteins. Recognizes a protein of ~55kDa, identified as SOX10. This monoclonal antibody is highly specific and does not cross-react with other members of the SOX-family. SOX genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. SOX-10 is a sensitive marker of melanoma, including conventional, spindled, and desmoplastic subtypes. It is expressed by metastatic melanomas and nodal capsular nevus in sentinel lymph nodes, but not by other lymph node components such as dendritic cells, which usually express S100 protein. Commonly used melanoma markers, such as anti-HMB-45 and anti-Melan-A, are poorly expressed in desmoplastic melanomas while SOX-10 is moderately to strongly expressed in desmoplastic melanomas. SOX-10 is considered as a very reliable marker for recognizing residual desmoplastic melanomas. In normal tissues, it is expressed in Schwann cells, melanocytes, and myoepithelial cells of salivary, bronchial and mammary glands. SOX-10
	Immunogen	
	Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

## **Product Application Details**



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Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, Flow (Intracellular), CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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#### **Products Related to NBP2-59621G**

NBP1-43317G Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [DyLight 488]

H00006663-P01-2ug Recombinant Human SOX10 GST (N-Term) Protein

212-GD-010 GDNF [Unconjugated]

H00006663-Q01-10ug Recombinant Human SOX10 GST (N-Term) Protein

#### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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