Product Datasheet

Tyrosinase Antibody (T311) [DyLight 594]
NBP2-33160DL594

Unit Size: 0.1 ml

Store at 4C in the dark.

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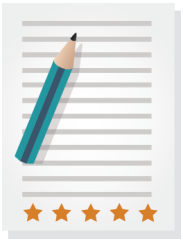

NBP2-33160DL594

Tyrosinase Antibody (T311) [DyLight 594]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	T311
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Conjugate	DyLight 594
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	7299
Gene Symbol	TYR
Species	Human
Marker	Melanoma Marker
Specificity/Sensitivity	Recognizes a cluster of proteins between 70-80kDa, identified as tyrosinase. Occasionally a minor band at 55kDa is also detected. This monoclonal antibody shows no cross-reaction with MAGE-1 and tyrosinase-related protein 1, TRP-1/gp75. Tyrosinase is a copper-containing metalloglycoprotein that catalyzes several steps in the melanin pigment biosynthetic pathway; the hydroxylation of tyrosine to L-3,4-dihydroxy-phenylalanine (dopa), and the subsequent oxidation of dopa to dopaquinone. Mutations of the tyrosinase gene occur in various forms of albinism. Tyrosinase is one of the targets for cytotoxic T-cell recognition in melanoma patients. Staining of melanomas with this monoclonal antibody shows tyrosinase in melanotic as well as amelanotic variants. This monoclonal antibody is a useful marker for melanocytes and melanomas.
Immunogen	Recombinant tyrosinase protein (Uniprot: P14679)
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.

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Products Related to NBP2-33160DL594

NBP1-96981DL594	Mouse IgG2a Kappa Isotype Control (M2AK) [DyLight 594]
H00007299-P01-2ug	Recombinant Human Tyrosinase GST (N-Term) Protein
NBP2-10667	Tyrosinase Overexpression Lysate
NBP2-22203	ERK1 Antibody (1E5)

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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