

Product Datasheet

IgG4 Antibody (IGHG4/1345)

NBP2-47639-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-47639-0.1mg

IgG4 Antibody (IGHG4/1345)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	IGHG4/1345
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	150 kDa

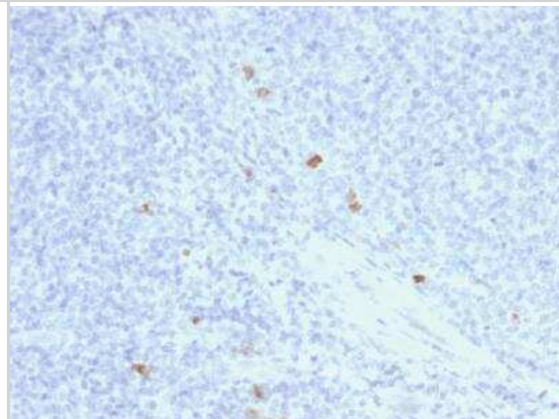
Product Description	
Host	Mouse
Species	Human
Marker	G4m Marker
Specificity/Sensitivity	The regions of relatively constant sequence beyond the variable regions of immunoglobulins are termed constant regions (C regions) and are present in both the heavy and light chains. With very few exceptions, the sites of attachment for carbohydrates on immunoglobulins are located in these C regions. These regions also function to hold the variable regions together by using the disulfide bond between them. The C regions facilitate interaction with the antigen by increasing the maximum rotation of the immunoglobulin arms. Reportedly, a large population of patients with recurrent respiratory tract infection has low IgG4 concentrations. IgG4-related sclerosing disease has been recognized as a systemic disease entity characterized by an elevated serum IgG4 level, sclerosing fibrosis, and diffuse lymphoplasmacytic infiltration with the presence of many IgG4-positive plasma cells. IgG4 is overexpressed in inflammatory pseudotumor (IPT) and under expressed in inflammatory myofibroblastic tumor (IMT). In pulmonary nodular lymphoid hyperplasia (PNLH), there are an increased number of IgG4+ plasma cells.
Immunogen	Recombinant human IgG4 fragment

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 0.5-1.0ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues is enhanced by heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0 for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.



Images

Immunohistochemistry-Paraffin: IgG4 Antibody (IGHG4/1345) [NBP2-47639] - Formalin-fixed, paraffin-embedded Human Tonsil stained with IgG4 Monoclonal Antibody (IGHG4/1345).





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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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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