

Product Datasheet

IgM Antibody (IM373)

NBP2-34254-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-34254-0.1mg

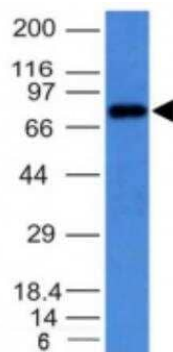
IgM Antibody (IM373)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	IM373
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34650) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	3507
Gene Symbol	IGHM
Species	Human
Marker	B-Cell Marker
Specificity/Sensitivity	Recognizes a protein of 75kDa, identified as mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. This monoclonal antibody is useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkins lymphomas. The most common feature of these malignancies is the restricted expression of a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant.
Immunogen	Recombinant full-length heavy chain of human IgM
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires 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.

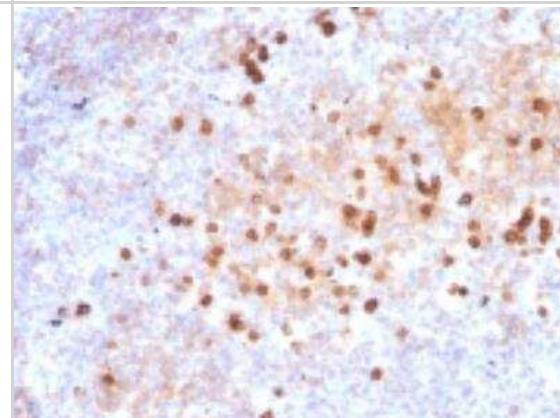


Images

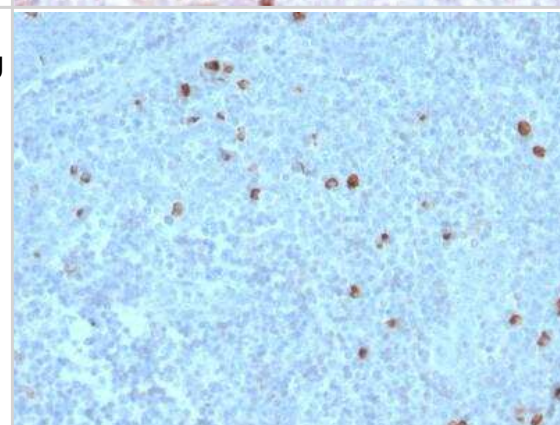
Western Blot: IgM Antibody (IM373) [NBP2-34254] - Western Blot on Raji Cell Lysate using IgM Monoclonal Antibody (IM373)



Immunohistochemistry-Paraffin: IgM Antibody (IM373) [NBP2-34254] - Formalin-fixed, paraffin-embedded human Tonsil stained with igM Monoclonal Antibody (IM373)



Immunohistochemistry-Paraffin: IgM Antibody (IM373) [NBP2-34254] - Analysis using the Azide and BSA Free version of NBP2-34254. Staining of human tonsil stained with IgM MAb(IM373).



Publications

Lee JL, Fra-Bido SC, Burton AR Et al. B cell-intrinsic changes with age do not impact antibody-secreting cell formation but delay B cell participation in the germinal centre reaction *Aging Cell* 2022-08-18 [PMID: 35980826] (FLOW, Human)

Details:
Citation using the Azide and BSA Free version of this antibody.

Burton AR, Guillaume SM, Foster WS et al. The memory B cell response to influenza vaccination is impaired in older persons *Cell reports* 2022-11-08 [PMID: 36351385] (Human)



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Products Related to NBP2-34254-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
H00003507-P01-10ug	Recombinant Human IgM 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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