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Datasheet for ABIN6939730

anti-IGHM antibody

3 Images

Overview

Quantity:	100 µg
Target:	IGHM
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IGHM antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Flow Cytometry (FACS), Staining Methods (StM), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant full-length heavy chain of human IgM
Clone:	IM373
Isotype:	IgG2b kappa
Specificity:	Recognizes a protein of 75 kDa, 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 MAb is useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin's 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.
Purification:	Purified by Protein A/G

Target Details

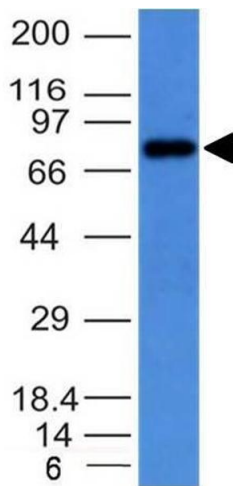
Target:	IGHM
Alternative Name:	IGHM (IGHM Products)
Molecular Weight:	50-75kDa
Gene ID:	3507
UniProt:	P01871 , P20769

Application Details

Application Notes:	Positive Control: 293T, Raji or hPBL cells. Tonsil or Spleen. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Western Blot (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

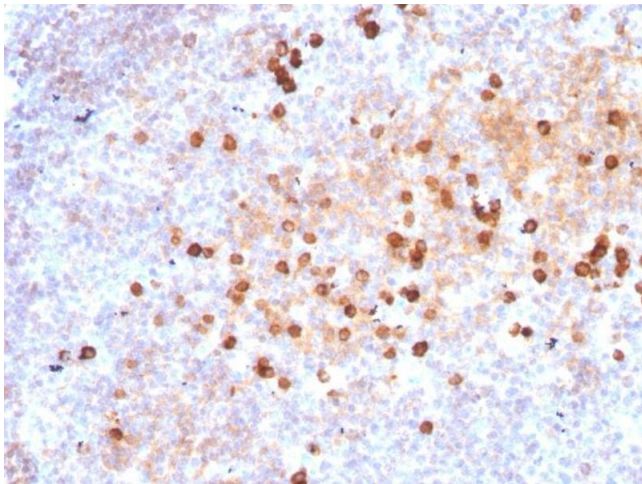
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



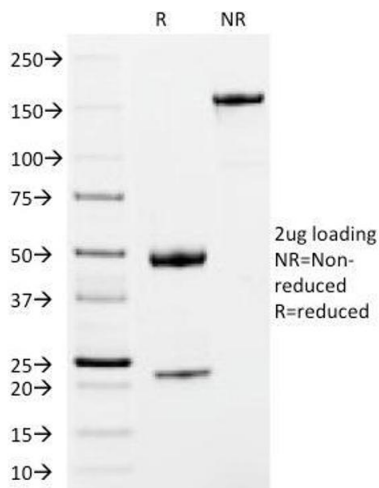
Western Blotting

Image 1. Western Blot on Raji cell lysate using Purified IgM Mouse Monoclonal Antibody (IM373).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Tonsil stained with Purified IgM Mouse Monoclonal Antibody (IM373).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified IgM Mouse Monoclonal Antibody (IM373). Confirmation of Integrity and Purity of Antibody