

Mouse anti-Human IgM (Immunoglobulin Mu Heavy Chain) Monoclonal Antibody | anti-IGHM antibody

IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62631	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

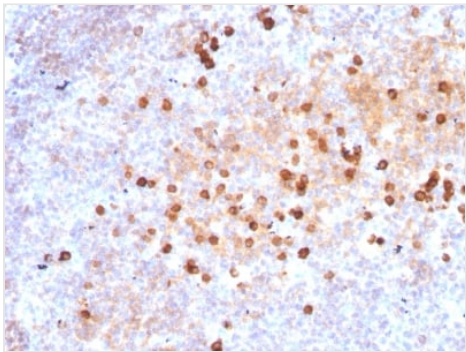
PRODUCT SYNONYMS

IgM (Immunoglobulin Mu Heavy Chain); Monoclonal Antibody; IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker) Mouse Monoclonal Antibody; AGM1; IGHM; Constant Region of Heavy Chain of IgM; Ig Mu Chain C Region; anti-IGHM antibody

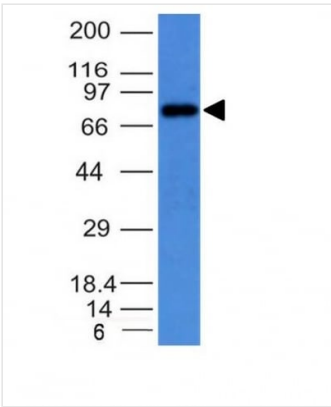
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	IM373
Specificity	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 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	452
Applicable Applications for anti-IGHM antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasm, Cell Surface and Secreted
Immunogen	Recombinant full-length heavy chain of human IgM
Hu-Chromosome Location	14q32.33
Positive Control	293T, Raji or hPBL cells. Tonsil or Spleen.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with IgM Monoclonal Antibody (IM373)



WB (Western Blot)
Western Blot on Raji Cell Lysate using IgM Monoclonal Antibody (IM373)

ADDITIONAL INFORMATION

References	Baryshnikov Alu. Gematol Transfuziol. 1990;35(8):4-7.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	193806374
NCBI GeneID	3507
UniProt Accession #	P01871; P20769
Molecular Weight	50-75kDa
NCBI Official Full Name	Ig mu chain C region
NCBI Official Synonym Full Names	immunoglobulin heavy constant mu
NCBI Official Symbol	IGHM
NCBI Official Synonym Symbols	MU; VH; AGM1
UniProt Protein Name	Ig mu chain C region
UniProt Gene Name	IGHM
UniProt Entry Name	IGHM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/igm-immunoglobulin-mu-heavy-chain-antibody-clone-im373-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62631>