

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

IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker)

CATALOG # AAA214762	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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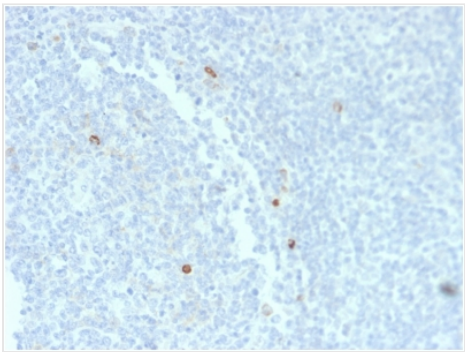
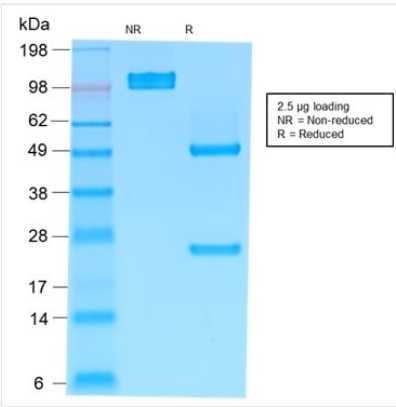
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	rIM373
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. Monomeric IgM is expressed as a membrane bound antibody on the surface of B cells and as a pentamer when secreted by plasma cells. IgM antibody is prominent in early immune responses to most antigens. Aberrant levels are associated with immune deficiency states, hereditary deficiencies, myeloma, Waldenstrom's macroglobulinemia, chronic infection and hepatocellular disease. 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
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	474
Applicable Applications for anti-IgM antibody	IHC (Immunohistochemistry)
Immunogen	Heavy chain of human IgM
Positive Control	293T, Raji or hPBL Cells. Tonsil or Spleen.
Cellular Localization	Cytoplasm, Cell Surface and Secreted
Chromosome Location	14q32.33
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 Mouse Recombinant Monoclonal Antibody (rIM373).

SDS-PAGE
SDS-PAGE Analysis Purified IgM Mouse Recombinant Monoclonal Antibody (rIM373).
Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IgM antibody	Recombinant Mouse Monoclonal Antibody
References	Baryshnikov Alu. Gematol Transfuziol. 1990 Aug; 35(8):4-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1160421986
NCBI GeneID	3507
UniProt Accession #	P01871; P04220; P20769; A0A075B6N9; A0A0G2JQL4
Molecular Weight	50-75kDa
NCBI Official Full Name	Immunoglobulin heavy constant mu
NCBI Official Synonym Full Names	immunoglobulin heavy constant mu
NCBI Official Symbol	IGHM
NCBI Official Synonym Symbols	MU; VH; AGM1
UniProt Protein Name	Immunoglobulin heavy constant mu
UniProt Gene Name	IGHM

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-rim373-immunohistochemistry-elisa/214762>