

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

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215024	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

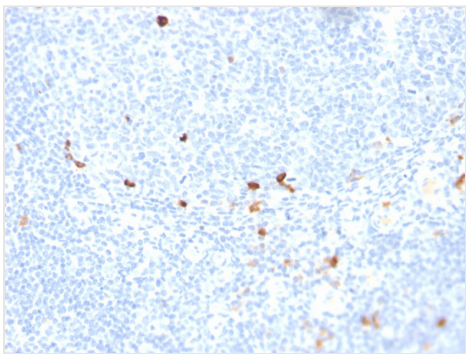
PRODUCT SYNONYMS

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

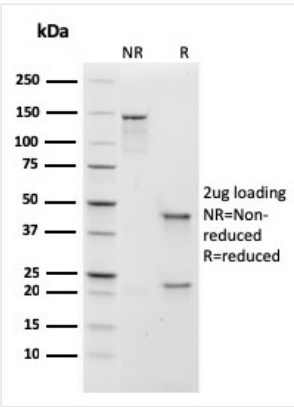
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1, kappa
Clone Number	rIGHM/1623
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	452
Applicable Applications for anti-IGHM antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Positive Control	293T, Raji or hPBL cells. Human tonsil or spleen (IHC).
Immunogen	Recombinant human full-length IGHM protein
Cellular Localization	Cytoplasm, Cell Surface and Secreted
Hu-chromosome Location	14q32.33
Antibody Type	Recombinant Mouse Monoclonal Antibody
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 (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human tonsil stained with IgM Recombinant Mouse Monoclonal Antibody (rIGHM/1623).



SDS-PAGE
SDS-PAGE Analysis Purified IgM Recombinant Mouse Monoclonal Antibody (rIGHM/1623). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	1. Baryshnikov Alu. Gematol Transfuziol. 1990 Aug;35(8):4-7. 2. Martinova T.et al., In: Problems medical biotechnology and immunological infection diseases. Vol 11, 182-186, 1
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NCBI AND UNIPROT INFORMATION

NCBI GI #	193806374
UniProt Accession #	P01871; P20769
Molecular Weight	50-75kDa
NCBI Official Full Name	Ig mu chain C region
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/mouse-ighm-human-antibody/igm-immunoglobulin-mu-heavy-chain/215024>