

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
AAA62615	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

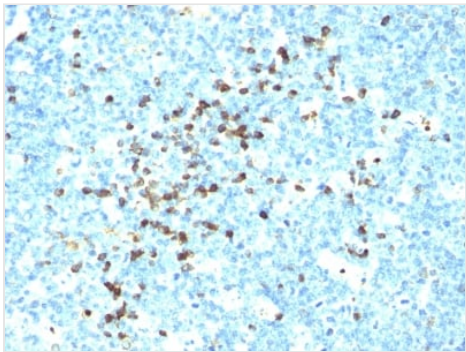
PRODUCT SYNONYMS

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	IgG1, kappa
Clone Number	DA4-4; same as SA-DA4 or HB57
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), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasm, Cell Surface and Secreted
Immunogen	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°C. Antibody without azide - store at -20 to -80°C. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with IgM Monoclonal Antibody (DA4-4

ADDITIONAL INFORMATION

References	Maruyama S, et. al. Activation of human B cells and inhibition of their terminal differentiation by monoclonal anti-mu antibodies. Journal of Immunology 1985; 135(1):192-9. Rudich SM, et. al. Human B cell activation. Evidence for diverse signals provided by various monoclonal anti-IgM antibodies. Journal of Experimental Medicine, 1985; 162(4):1236-55
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/igm-immunoglobulin-mu-heavy-chain-antibody-clone-da4-4-same-as-sa-da4-or-hb57-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62615>