

Mouse anti-Human IgD (Immunoglobulin Delta Heavy Chain) Monoclonal Antibody | anti-IGHD antibody

IgD (Immunoglobulin Delta Heavy Chain) (B-Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215020	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

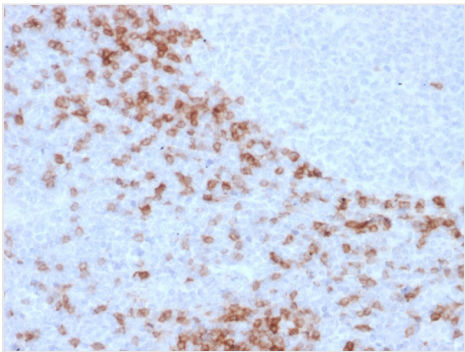
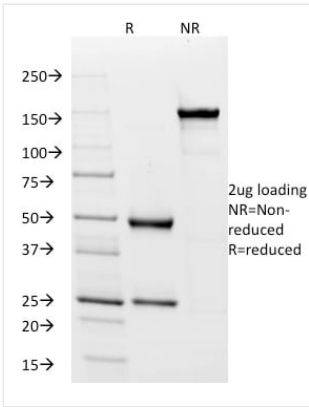
PRODUCT SYNONYMS

IgD (Immunoglobulin Delta Heavy Chain); Monoclonal Antibody; IgD (Immunoglobulin Delta Heavy Chain) (B-Cell Marker); Ig delta chain C region; IGHD; Immunoglobulin heavy constant delta; anti-IGHD antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	IgD26
Specificity	Immunoglobulins are four-chain, Y-shaped, monomeric structures comprised of two identical heavy chains and two identical light chains held together through interchain disulfide bonds. The chains form two domains, the Fab (antigen binding) fragment and the Fc (constant) fragment. Immunoglobulin D (IgD) exists as a monomer with light chains. It plays a biological role as a transmembrane receptor molecule, co-expressed with IgM on the surface of mature/naive B cells. In particular, it is found on spleen B cell surfaces. Compared to IgM, IgD exists in much lower numbers and is not expressed on immature B cells. IgD surface expression on B cells is regulated in part by IL-27. In mice, the inhibition of this immunoglobulin isotype does not cause a significant change to the immune system.
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	384
Applicable Applications for anti-IGHD antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	Human tonsil lysate; NAMALWA cell lysate; Human tonsil and lymphoid tissues.
Immunogen	Full-length human IGHD protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	14q13
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 Lymph Node stained with IgD Mouse Monoclonal Antibody (IGD26).

SDS-PAGE
SDS-PAGE Analysis Purified IgD Mouse Monoclonal Antibody (IGD26). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	Takayasu, T., et al. 1980. Biochem. Biophys. Res. Commun. 97: 635-641.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	193806360
UniProt Accession #	P01880
Molecular Weight	44-80kDa (heavy chain); 21-25kDa (kappa light chain)
NCBI Official Full Name	Ig delta chain C region
UniProt Protein Name	Ig delta chain C region
UniProt Gene Name	IGHD
UniProt Entry Name	IGHD_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/igd-immunoglobulin-delta-heavy-chain-antibody-clone-igd26-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/215020>