

Datasheet for ABIN6937493

anti-IgD antibody



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Overview

Quantity:	100 µg
Target:	IgD
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IgD antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Full-length human IGHD protein
Clone:	IgD26
Isotype:	IgG1 kappa
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.

Product Details

Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	IgD
Alternative Name:	IGHD (IgD Products)
Target Type:	Antibody
Background:	Ig delta chain C region, IGHG, Immunoglobulin heavy constant delta,IgD (Immunoglobulin Delta Heavy Chain) (B-Cell Marker) Cellular localisation: Cytoplasmic
Molecular Weight:	44-80kDa (heavy chain), 21-25kDa (kappa light chain)
Gene ID:	3495, 510635
UniProt:	P01880

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 1 mM EDTA buffer, pH 7.5-8.5, for 45 min at 95°C followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. Positive_Control: Human tonsil lysate, NAMALWA cell lysate, Human tonsil and lymphoid tissues.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Handling

Expiry Date: 24 months