



Anti-Mouse IgD monoclonal antibody, clone 12-27d (DMAB4673)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mab to IgD Rat Monoclonal Antibody to Mouse Immunoglobulin D (IgD), δ chain specific
Specificity	δ heavy chain of mouse IgD The monoclonal antibody 12-27d reacts with mouse IgD of all haplotypes (e.g., IgDa, IgDb, IgDc), and does not react with other immunoglobulin isotypes. 12-27d does not induce proliferation of mature B cells in vitro, nor does in vivo injection of the monoclonal antibody have any effect on activation of mature B lymphocytes.
Source/Host	Rat
Species Reactivity	Mouse
Clone	12-27d
Conjugate	Unconjugated
Applications	Flow cytometry
Procedure	Secondary Antibodies
Format	Low Endotoxin, Azide-Free (LE/AF)
Size	500 μ g
Preservative	None
Warnings	Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

BACKGROUND

Introduction Immunoglobulin D (IgD) is an antibody isotype that makes up about 1% of proteins in the plasma

membranes of mature B-lymphocytes where it is usually coexpressed with another cell surface antibody called IgM. IgD is also produced in a secreted form that is found in very small amounts in blood serum. Secreted IgD is produced as a monomeric antibody with two heavy chains of the delta (δ) class, and two Ig light chains.

Keywords

IGHD; Immunoglobulin heavy constant delta; IgD; IgD δ ; Immunoglobulin D; Immunoglobulin D δ ; IgD heavy chain, Immunoglobulin D heavy chain; IgD δ heavy chain; Immunoglobulin D δ heavy chain
