



# 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

<b>Product Overview</b>	Mab to IgD Rat Monoclonal Antibody to Mouse Immunoglobulin D (IgD), $\delta$ chain specific
<b>Specificity</b>	$\delta$ 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.
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	12-27d
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Flow cytometry
<b>Format</b>	Low Endotoxin, Azide-Free (LE/AF)
<b>Size</b>	500 $\mu$ g
<b>Preservative</b>	None

## BACKGROUND

<b>Introduction</b>	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
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chains of the delta ( $\delta$ ) class, and two Ig light chains.

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**Keywords**

IGHD; Immunoglobulin heavy constant delta; IgD; IgD  $\delta$ ; Immunoglobulin D; Immunoglobulin D  $\delta$ ; IgD heavy chain, Immunoglobulin D heavy chain; IgD  $\delta$  heavy chain; Immunoglobulin D  $\delta$  heavy chain

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