

## 36-2540: Anti-IgD (Immunoglobulin Delta Heavy Chain) (B-Cell Marker) Monoclonal Antibody(Clone: IgD26)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	IgD26
<b>Application :</b>	FACS,IF,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	IGHD
<b>Gene ID :</b>	3495
<b>Uniprot ID :</b>	P01880
<b>Alternative Name :</b>	Ig delta chain C region; IGHD; Immunoglobulin heavy constant delta
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Full-length human IGHD protein

### Description

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/naïve 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 Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA buffer, pH 7.5-8.5, for 45 min at 95&degC followed by cooling at RT for 20 minutes)

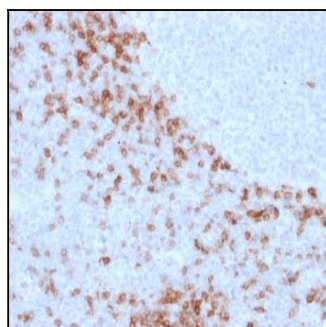


Fig. 1: Formalin-fixed, paraffin-embedded human Lymph Node stained with IgD Mouse Monoclonal Antibody (IGD26).

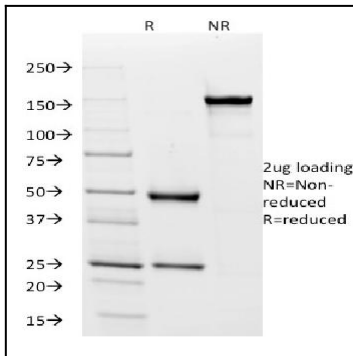


Fig. 2: SDS-PAGE Analysis Purified IgD Mouse Monoclonal Antibody (IGD26). Confirmation of Purity and Integrity of Antibody.