

Recombinant Human IgD Monoclonal Antibody

catalog number: **AN301559L**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

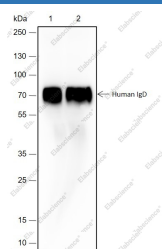
Reactivity	Human
Immunogen	A synthetic peptide of human IgD
Host	Rabbit
Isotype	Rabbit IgG
Clone	C321182
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

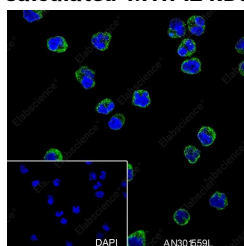
WB	1:1000-1:5000
IHC-P	1:500-1:2000

Data

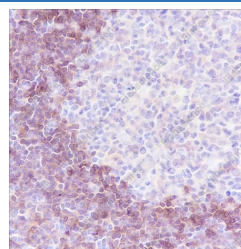


Western Blot with Human IgD Monoclonal Antibody at dilution of 1:1000. Lane 1: Human serum, Lane 2: Human plasma

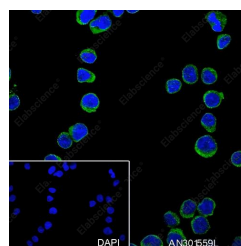
Observed-MW:75 kDa
Calculated-MW:42 kDa



Immunofluorescent analysis of (4% Paraformaldehyde) fixed Raji cells using anti-Human IgD Monoclonal Antibody at dilution of 1:50.



Immunohistochemistry of paraffin-embedded Human tonsil using Human IgD Monoclonal Antibody at dilution of 1:50.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed Ramos cells using anti-Human IgD Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.3

IgD is the major antigen receptor isotype on the surface of most peripheral B-cells, where it is coexpressed with IgM. The membrane-bound IgD (mIgD) induces the phosphorylation of CD79A and CD79B by the Src family of protein tyrosine kinases. Soluble IgD (sIgD) concentration in serum below those of IgG, IgA, and IgM but much higher than that of IgE. IgM and IgD molecules present on B cells have identical V regions and antigen-binding sites. After the antigen binds to the B-cell receptor, the secreted form sIgD is shut off. IgD is a potent inducer of TNF, IL1B, and IL1R N. IgD also induces release of IL6, IL10, and LIF from peripheral blood mononuclear cells. Monocytes seem to be the main producers of cytokines in vitro in the presence of IgD.