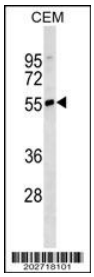
IGHD Antibody [clone 607CT8.4.4] (F53712)

Catalog No.	Formulation	Size
F53712-0.1ML	In ascites with 0.09% sodium azide	0.1 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM
Clone Name	607CT8.4.4
Purity	Ascites
UniProt	P01880
Applications	Western Blot : 1:100-1:800
Limitations	This IGHD antibody is available for research use only.



IGHD antibody western blot analysis in CEM lysate

Description

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 IL1RN. 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.

Application Notes

Titration of the IGHD antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 37-64 from the human protein was used as the immunogen for this IGHD antibody.

Storage

Aliquot the IGHD antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.