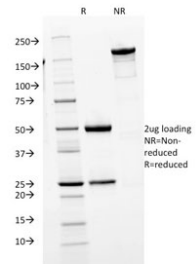
IgM Antibody [clone IGHM/1623] (V5399)

Catalog No.	Formulation	Size
V5399-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5399-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5399SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	IGHM/1623
Purity	Protein A/G affinity
UniProt	P01871
Localization	Cell membrane, Secreted
Applications	ELISA :
Limitations	This IgM antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free IgM antibody (clone IGHM/1623) as confirmation of integrity and purity.

Description

Recognizes a protein of 75kDa, identified as mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. Monomeric IgM is expressed as a membrane bound antibody on the surface of B cells and as a pentamer when secreted by plasma cells. IgM antibody is prominent in early immune responses to most antigens. Aberrant levels are associated

with immune deficiency states, hereditary deficiencies, myeloma, Waldenstrom's macroglobulinemia, chronic infection and hepatocellular disease. This MAb is useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin's lymphomas. The most common feature of these malignancies is the restricted expression of a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant.

Application Notes

Optimal dilution of the IgM antibody should be determined by the researcher.

Immunogen

The heavy chain of human IgM was used as the immunogen for the IgM antibody.

Storage

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

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