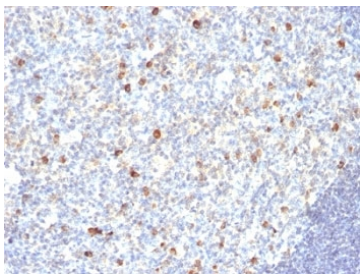
Anti-IgM Antibody SPM188 / Mouse Monoclonal [clone SPM188] (V2622)

Catalog No.	Formulation	Size
V2622-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2622-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2622SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2622IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM188
Purity	Protein G affinity chromatography
UniProt	P01871 & P20769
Localization	Cytoplasm, cell surface and secreted
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Anti-IgM Antibody SPM188 is available for research use only.



Anti-IgM Antibody SPM188 IHC: Formalin-fixed, paraffin-embedded human tonsil stained with anti-IgM antibody (clone SPM188).

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-Hodgkins 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.

For detection of total human IgM, see our Human IgM ELISA Antibody RM121 page.

Application Notes

Optimal dilution of the Anti-IgM Antibody SPM188 should be determined by the researcher.

1. Staining of formalin/paraffin tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Heavy chain of human IgM was used as the immunogen for the Anti-IgM Antibody SPM188.

Storage

Store the Anti-IgM Antibody SPM188 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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