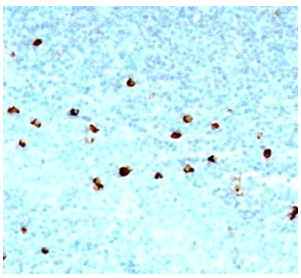
IgM Antibody SPM557 / Mouse Monoclonal [clone SPM557] (V9029)

Catalog No.	Formulation	Size
V9029-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9029-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9029SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9029IHC-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	SPM557
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 IgM Antibody SPM557 is available for research use only.



IgM Antibody SPM557 IHC: Formalin-fixed, paraffin-embedded human tonsil stained with IgM antibody (clone SPM557).

Description

IgM Antibody SPM557 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. 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

The optimal dilution of the IgM Antibody SPM557 for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
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

Recombinant heavy chain of human IgM was used as the immunogen for this IgM Antibody SPM557.

Storage

Store the IgM Antibody SPM557 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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