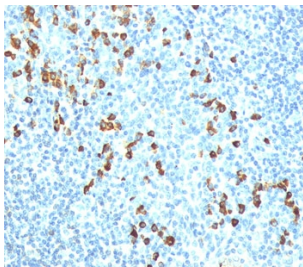


Anti-IgM Antibody [clone IM260] (V2143)

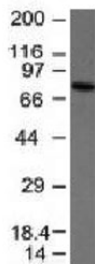
Catalog No.	Formulation	Size
V2143-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2143-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2143SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2143IHC-7ML	Prediluted 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](#)

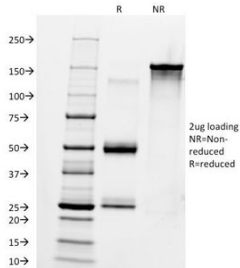
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	IM260
Purity	Protein G
Buffer	1X PBS, pH 7.4
Gene ID	3507 (Human)
Localization	Cytoplasm, Cell Surface and Secreted
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This anti-IgM antibody is available for research use only. It is not intended for use in diagnostic or therapeutic applications.



IHC testing of human tonsil stained with anti-IgM antibody (IM260).



Western blot analysis of anti-IgM antibody and Raji cell lysate. Expected molecular weight: 70-75 kDa.



SDS-PAGE Analysis of Purified, BSA-Free Anti-IgM Antibody (clone IM260). Confirmation of Integrity and Purity of the Antibody.

Description

IgM is the first antibody generated in an immune response to an antigen. It is generally a pentamer with each of the five immunoglobulins linked together with disulfide bonds. In its pentamer form, it has a molecular mass of 970 kDa and 10 antigen binding sites (due to the large size of most antigens, not all binding sites can be filled simultaneously). IgM antibodies account for approximately 5%-10% of all the antibody in the body.

This mAb is specific for the human IgM heavy chain. It does not cross-react with other immunoglobulin heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. IgM antibody is useful in the identification of certain cancer types. Some tumors express a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant.

Application Notes

Due to differences in protocols and secondaries, the anti-IgM antibody may need to be titered for optimal performance.

1. FFPE staining requires boiling 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 human IgM was used as the immunogen for this anti-IgM antibody.

Storage

Store the anti-IgM antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

References (2)

