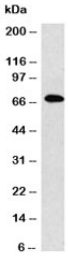
Anti-IgM Antibody [clone MuHC2] (V7033)

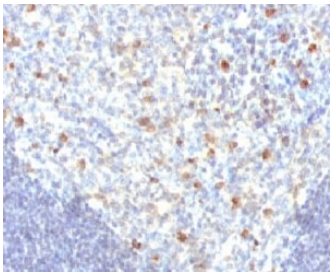
Catalog No.	Formulation	Size
V7033-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7033-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7033SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7033IHC-7ML	Prediluted 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	MuHC2
Purity	Protein G
Buffer	1X PBS, pH 7.4
Gene ID	3507
Localization	Cytoplasm, Cell Surface and Secreted
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
Limitations	This IgM antibody is available for research use only.



Western blot analysis of IgM antibody and Raji cell lysate (clone MuHC2). Expected molecular weight: 70-75 kDa.



IHC analysis of FFPE human tonsil tissue and IgM antibody (clone MuHC2). Required HIER: boil sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

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.

Application Notes

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

1. 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

Human Mu heavy chain was used as the immunogen for this IgM antibody.

Storage

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