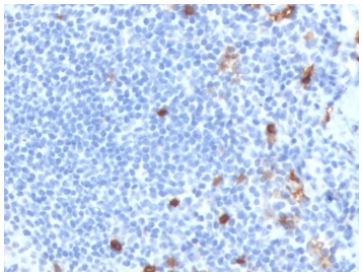
Recombinant IgM Antibody [clone MuHC2-2R] (V7338)

Catalog No.	Formulation	Size
V7338-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7338-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7338SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7338IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human. Other species not tested.
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	MuHC2-2R
Purity	Protein A affinity chromatography
UniProt	P01871, P20769
Localization	Cytoplasm, cell surface, secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
Limitations	This recombinant IgM antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with recombinant IgM antibody (clone MuHC2-2R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

Description

The IGHM gene encodes the C region of the mu heavy chain, which defines the IgM isotype. Naive B cells express the transmembrane forms of IgM and IgD on their surface. During an antibody response, activated B cells can switch to the expression of individual downstream heavy chain C region genes by a process of somatic recombination known as isotype switching. In addition, secreted Ig forms that act as antibodies can be produced by alternative RNA processing of the heavy chain C region sequences. Although the membrane forms of all Ig isotypes are monomeric, secreted IgM forms pentamers, and occasionally hexamers, in plasma. [RefSeq]

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

Application Notes

The optimal dilution of the recombinant IgM antibody for each application should be determined by the researcher.

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

Recombinant protein was used as the immunogen for this recombinant IgM antibody.

Storage

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

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