

# Mouse Anti-Human IgM Antibody

Catalog No: tcna1546



## Available Sizes

**Size:** 20ug

**Size:** 100ug



## Specifications

**Application:**

WB, IHC-P, IF

**Species Reactivity:**

Human. Other species not known.

**Host Species:**

Mouse

**Immunogen / Amino acids:**

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

**Conjugation:**

Unconjugated

**Clonality:**

Monoclonal

**Clones:**

MuHC2

**Isotype:**

Mouse IgG1, kappa

**Form:**

Liquid

**Storage Buffer:**

0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide

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**Concentration:**

0.2 mg/ml

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**Recommended Dilution:**

Immunofluorescence: 0.5-1ug/ml

Western blot: 0.5-1ug/ml

IHC (FFPE): 0.5-1ug/ml for 30 minutes at RT (1)

Prediluted format : incubate for 30 min at RT (2) Due to differences in protocols and secondaries the IgM antibody may need to be titrated for optimal performance.

1. FFPE staining requires boiling sections in 10mM citrate buffer

pH 6.0

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.

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**Storage Instruction:**

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

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**SwissProt:**

P01871 & P20769

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**Gene ID:**

3507 (human);

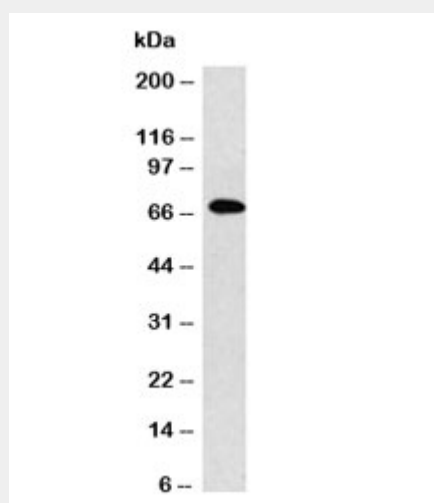
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**References**

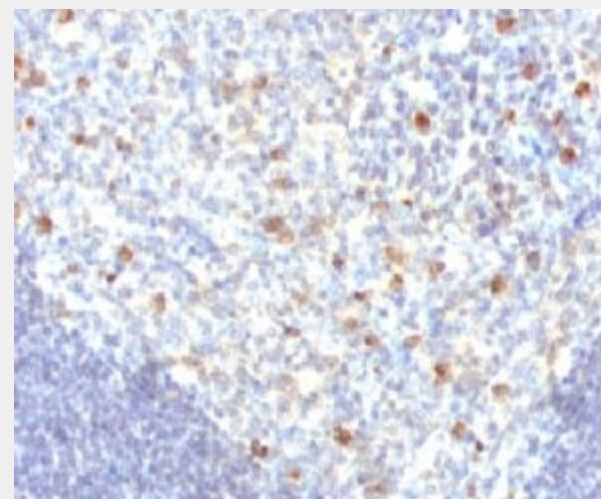
Protein G

**Product 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.



Western blot analysis of IgM antibody and Raji cell lysate.



IHC analysis of FFPE human tonsil tissue and IgM antibody (MuHC2)

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