



# Mouse Anti-Human IgM Antibody- sodium azide free Catalog No: tcna169saf

Available Sizes
Size: 100ug
Specifications
Application: WB, FACS, IHC-P, IF
Species Reactivity: Human. Other species not known.
Host Species: Mouse
Immunogen / Amino acids: Recombinant human IgM was used as the immunogen for this anti-IgM antibody.
Conjugation: Unconjugated
Clonality: Monoclonal
Clones: IM260
Isotype: Mouse IgG1, kappa
Form: Liquid
Storage Buffer:  1 mg/ml in 1X PBS; BSA free, sodium azide free



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#### **Concentration:**

1 mg/ml

### **Recommended Dilution:**

FACS: 0.5-1ug/10e6 cells

IF: 0.5-1ug/ml WB: 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 anti-IgM antibody may need to be titered 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.

### **Amino Acid Sequence:**

3507 (Human)

## **Storage Instruction:**

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

#### **SwissProt:**

P01871 & P20769

#### **Reference Sequence No.:**

3507 (Human)

## References

Protein G

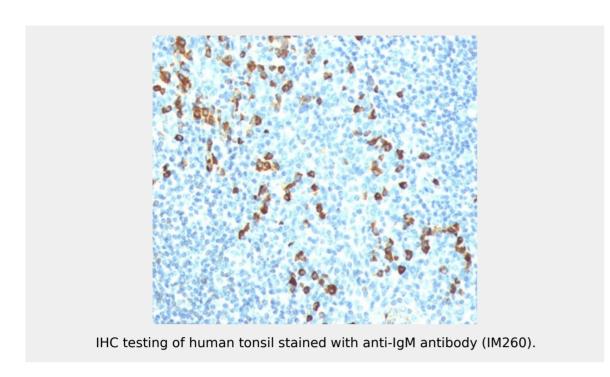
# **Product Description**

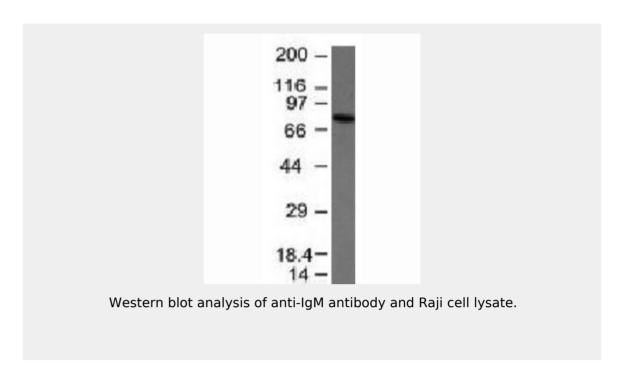
IgM is the first antibody generated in an immune response to an antigen. It is generally a pentamer with each of the five immunoglobulins linked together with disulfide bonds. In its pentamer form, it has a molecular mass of 970 kDa and 10 antigen binding sites (due to the large size of most antigens,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

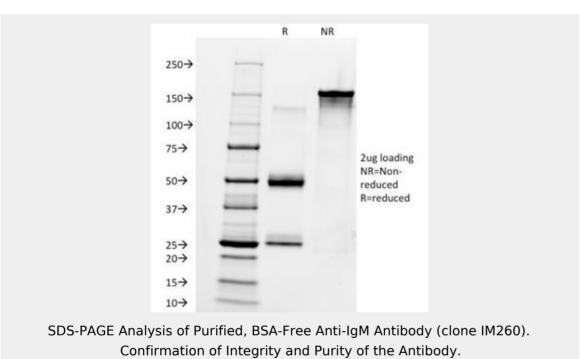
This mAb is specific for the human IgM heavy chain. It does not cross-react with other immunoglobulin heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. IgM antibody is useful in the identification of certain cancer types. Some tumors express a single heavy chain class. Demonstration of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



malignant.







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