

# Mouse Anti-Human IgM Antibody Cocktail

Catalog No: tcna539



## Available Sizes

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**Size:** 20ug

**Size:** 100ug



## Specifications

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**Application:**

FACS, IF, WB, IHC-P

**Species Reactivity:**

Human. Other species not tested.

**Host Species:**

Mouse

**Immunogen / Amino acids:**

Recombinant heavy chain of human IgM (IM260 IM373 & ICO-30) was used as the immunogen for the Anti-IgM antibody cocktail.

**Conjugation:**

Unconjugated

**Clonality:**

Monoclonal

**Clones:**

IM260 + IM373 + ICO-30

**Isotype:**

Mouse IgG1 and IgG2b, 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:**

Flow Cytometry: 0.5-1ug/million cells in 0.1ml

Immunofluorescence: 0.5-1ug/ml

Western blot: 0.5-1ug/ml

Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT (1)

Prediluted format : incubate for 30 min at RT (2)Optimal dilution of the Anti-IgM antibody cocktail should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer

pH 6.0

for 10-20 min followed by cooling at RT for 20 min

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

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**SwissProt:**

P01871 & P20769

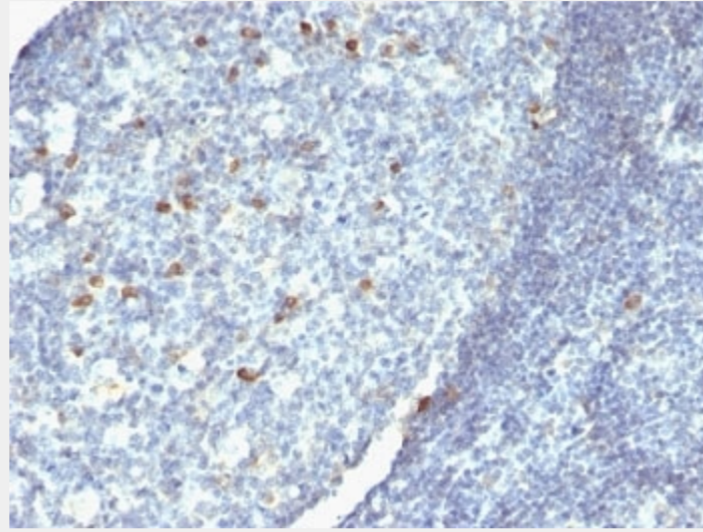
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**References**

Protein G affinity chromatography

**Product Description**

Recognizes a protein of 75kDa, identified as mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. This mAb is useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkins lymphomas. The most common feature of these malignancies is the restricted expression of a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant.



Formalin-fixed, paraffin-embedded human tonsil stained with anti-IgM antibody (IM260 + IM373 + ICO-30)

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!