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## 36-1281: Monoclonal Antibody to IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker)(Clone: IM373)

Clonality: Monoclonal Clone Name: IM373

**Application :** FACS,IF,WB,IHC

Reactivity: Human
Gene: IGHM
Uniprot ID: P01871
Format: Purified
Alternative Name: IGHM

**Isotype:** Mouse IgG2b, kappa

Immunogen Information: Recombinant full-length heavy chain of human IgM

## **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-Hodgkin s 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.

## **Product Info**

**Amount :** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

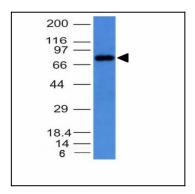
toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

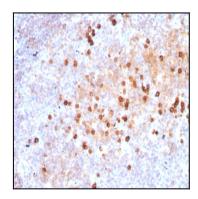


Western Blot on Raji Cell Lysate using IgM Monoclonal Antibody (IM373)



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Formalin-fixed, paraffin-embedded human Tonsil stained with IgM Monoclonal Antibody (IM373)  $\,$