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## 36-2560: Anti-IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker) Monoclonal Antibody(Clone: IGHM/3776R)

Clone Name: Monoclonal IGHM/3776R

Application: IHC
Reactivity: Human
Gene: IGHM
Gene ID: 3507

**Uniprot ID:** P01871; P20769

Alternative Name: AGM1; IGHM; Constant Region of Heavy Chain of IgM; Ig Mu Chain C Region

Isotype: Rabbit IgG

Immunogen Information: Recombinant full-length human IGHM protein

## **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**: 20 μg / 100 μg

Content: 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with

0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage condition:

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is

stable for 24 months. Non-hazardous.

## **Application Note**

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by 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)

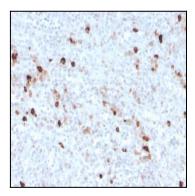


Fig. 1: Formalin-fixed, paraffin-embedded human spleen stained with IgM Recombinant Rabbit Monoclonal Antibody (IGHM/3776R).



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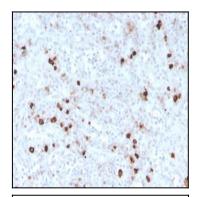


Fig. 2: Formalin-fixed, paraffin-embedded human spleen stained with IgM Recombinant Rabbit Monoclonal Antibody (IGHM/3776R).

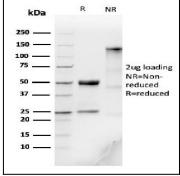


Fig. 3: SDS-PAGE Analysis Purified IgM Recombinant Rabbit Monoclonal Antibody (IGHM/3776R). Confirmation of Integrity and Purity of Antibody.