

## 36-2551: Anti-IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker) Monoclonal Antibody(Clone: rIM260)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	rIM260
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	IGHM
<b>Gene ID :</b>	3507
<b>Uniprot ID :</b>	P01871; P20769
<b>Alternative Name :</b>	AGM1; IGHM; Constant Region of Heavy Chain of IgM; Ig Mu Chain C Region
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	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.
<b>Storage condition :</b>	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 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);

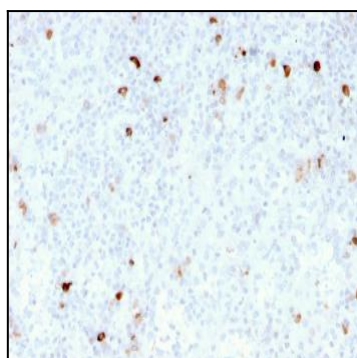


Fig. 1: Formalin-fixed, paraffin-embedded human tonsil stained with IgM Recombinant Mouse Monoclonal Antibody (rIM260).

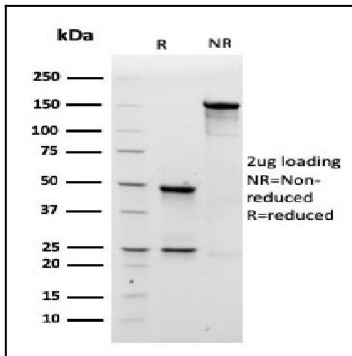


Fig. 2: SDS-PAGE Analysis Purified IgM Recombinant Mouse Monoclonal Antibody (rIM260). Confirmation of Integrity and Purity of Antibody.