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AM33324PU-T Monoclonal Antibody to Human IgM (heavy chain) - Purified

Alternate names: Human Immunoglobulin M

Quantity: 20 μg

Concentration: 0.2 mg/ml

Host / Isotype: Mouse / IgG2b

Recommended Isotype

Controls:

SM12P, AM03110PU-N

Clone: IM373

Immunogen: Recombinant heavy chain of Human IgM.

Genename: IGHM

Format: State: Liquid purified IgG fraction from Bioreactor Concentrate

Purification: Protein A/G Chromatography

Buffer System: 10mM PBS

Preservatives: 0.05% Sodium Azide

Stabilizers: 0.05% BSA

Applications: ELISA: Use Antibody without BSA for Coating.

Flow Cytometry: $0.5-1 \mu g/10^6$ cells. Immunofluorescence: $0.5-1 \mu g/ml$.

Western Blot: 0.5-1 µg/ml.

Immunoprecipitation: 0.5-1 μg/500 μg protein lysate.

Immunohistochemistry on Frozen and Formalin-Fixed Sections: 0.5-1 µg/ml for

30 minutes at RT.

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 minutes. *Recommended Positive Control*: 293T, Raji or hPBL cells, Tonsil or Spleen.

Other applications not tested. Optimal dilutions are dependent on conditions and

should be determined by the user.

Molecular Weight: 50-75kDa

Specificity: 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 Monoclonal Antibody 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.

Cellular Localization: Cytoplasm, Cell Surface and Secreted.

Species: Human.

Other species not tested.

ORIGENE AM33324PU-T: Monoclonal Antibody to Human IgM (heavy chain) - Purified

Storage: Store undiluted at 2-8°C.

Shelf life: one year from despatch.

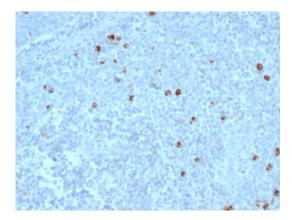
General Readings: 1. Baryshnikov Alu. [Monoclonal antibodies of the ICO series against differentiation

antigens of human lymphocytes]. Gematol Transfuziol. 1990 Aug;35(8):4-7. PubMed

PMID: 2253863.

Pictures: Formalin-paraffin human tonsil stained

with IgM MAb (Clone IM373)



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