Datasheet for ABIN3026664

Mouse anti-Human IgM Heavy Chain Antibody

4 Images

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Overview

Quantity:	100 µg
Target:	IgM Heavy Chain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant heavy chain of human IgM was used as the immunogen for this antibody.
Clone:	IM373
Isotype:	IgG1 kappa
Characteristics:	This antibody recognizes a protein of 75 kDa, identified as the 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. The 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.
Purification:	Protein G affinity chromatography

Target Details

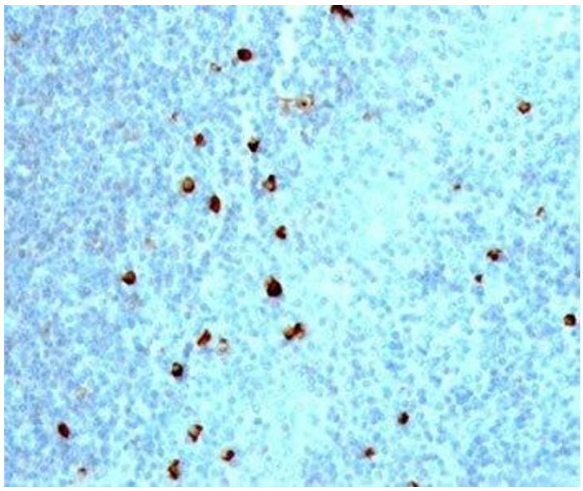
Target:	IgM Heavy Chain
Background:	This antibody recognizes a protein of 75 kDa, identified as the mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. The antibody 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.
Gene ID:	3507

Application Details

Application Notes:	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. 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.\. FACS: 0.5-1 µg/million cells,IF: 0.5-1 µg/mL,WB: 0.5-1 µg/mL,IHC (FFPE): 0.5-1 µ g/mL for 30 minutes at RT (1),Prediluted format : incubate for 30 min at RT (2)
Restrictions:	For Research Use only

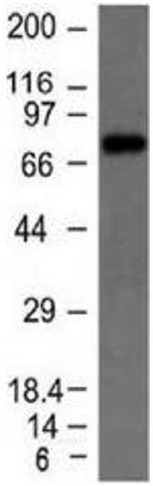
Handling

Concentration:	0.2 mg/mL
Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store the IgM heavy chain antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



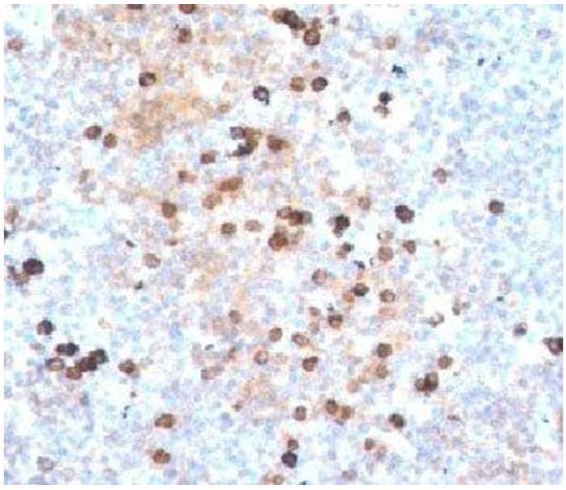
Immunohistochemistry

Image 1. IHC testing of human tonsil stained with IgM heavy chain antibody.



Western Blotting

Image 2. Western blot testing of Raji cell lysate with IgM heavy chain antibody.



Immunohistochemistry

Image 3. IHC testing of human tonsil stained with IgM heavy chain antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN3026664.