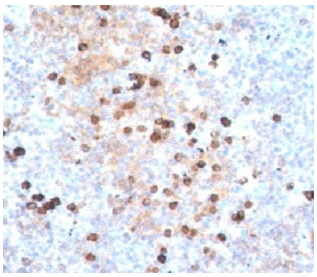
# IgM Heavy Chain Antibody IM373 / Mouse Monoclonal [clone IM373] (V2144)

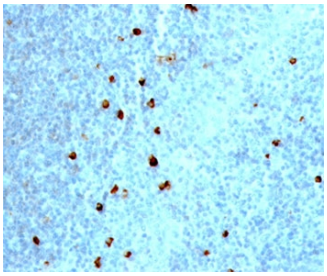
| Catalog No. | Formulation | Size |
|---|---|---|
| V2144-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2144-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2144SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V2144IHC-7ML | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml |

## Bulk quote request

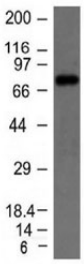
| | |
|---|---|
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2b, kappa |
| **Clone Name** | IM373 |
| **Purity** | Protein G affinity chromatography |
| **Buffer** | 1X PBS, pH 7.4 |
| **Gene ID** | 3507 |
| **Localization** | Cytoplasm, Cell Surface and Secreted |
| **Applications** | Flow cytometry: 0.5-1ug/10^6 cells<br>Immunofluorescence: 0.5-1ug/ml<br>Western blot: 0.5-1ug/ml<br>Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT |
| **Limitations** | This IgM Heavy Chain Antibody IM373 is available for research use only. |



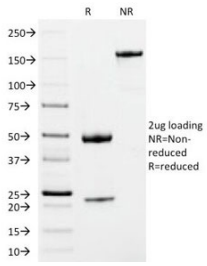
IgM Heavy Chain Antibody IM373 Immunohistochemistry. IHC testing of human tonsil stained with IgM heavy chain antibody (clone IM373).



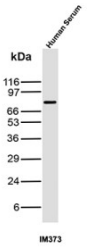
IHC testing of human tonsil stained with IgM heavy chain antibody.




IgM Heavy Chain Antibody IM373 WB. Western blot testing of Raji cell lysate with IgM heavy chain antibody (clone IM373). Expected molecular weight: 70-75 kDa.




SDS-PAGE Analysis of Purified, BSA-Free IgM Heavy Chain Antibody (clone IM373). Confirmation of Integrity and Purity of the Antibody.




IgM Heavy Chain Antibody IM373 in Human Serum WB. Western blot testing of human serum with IgM Heavy Chain Antibody clone IM373 detects a discrete band at approximately 75 kDa, consistent with the immunoglobulin mu heavy chain. Minimal additional reactivity is visible under the tested conditions, producing a clean Western blot signal. This mouse monoclonal recognizes the heavy chain component of human IgM.

## Description

This antibody recognizes a protein of 75kDa, 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.

For detection of total human IgM, see our Human IgM ELISA Antibody RM121 page.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the IgM Heavy Chain Antibody IM373 to be titered up or down for optimal performance.

1. 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.
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.

## Immunogen

Recombinant heavy chain of human IgM was used as the immunogen for this IgM Heavy Chain Antibody IM373.

## Storage

Store the IgM Heavy Chain Antibody IM373 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## Alternate Names

AGM1; IGHM; Constant Region of Heavy Chain of IgM; Ig Mu Chain C Region, IgM Heavy Chain antibody, Mu class antibody

References (1)


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