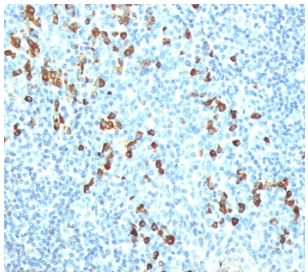
# IgM Antibody IM260 / Immunoglobulin M Antibody [clone IM260] (V2143)

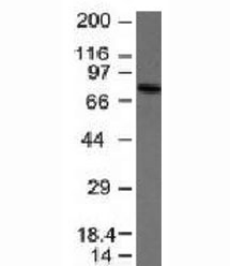
| Catalog No. | Formulation | Size |
|---|---|---|
| V2143-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2143-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2143SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V2143IHC-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

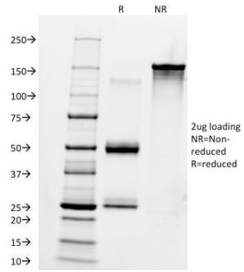
| | |
|---|---|
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | IM260 |
| **Purity** | Protein G |
| **Buffer** | 1X PBS, pH 7.4 |
| **Gene ID** | 3507 (Human) |
| **Localization** | Cytoplasm, Cell Surface and Secreted |
| **Applications** | Western blot: 1-2ug/ml<br>Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT |
| **Limitations** | This IgM Antibody IM260 / Immunoglobulin M Antibody is available for research use only. It is not intended for use in diagnostic or therapeutic applications. |



IgM Antibody IM260 Immunohistochemistry. IHC testing of human tonsil stained with anti-IgM antibody (clone IM260).




IgM Antibody IM260 WB. Western blot analysis of anti-IgM antibody and Raji cell lysate (clone IM260). Expected molecular weight: 70-75 kDa.




SDS-PAGE Analysis of Purified, BSA-Free Anti-IgM Antibody (clone IM260). Confirmation of Integrity and Purity of the Antibody.

## Description

IgM is the first antibody generated in an immune response to an antigen. It is generally a pentamer with each of the five immunoglobulins linked together with disulfide bonds. In its pentamer form, it has a molecular mass of 970 kDa and 10 antigen binding sites (due to the large size of most antigens, not all binding sites can be filled simultaneously. IgM antibodies account for approximately 5%-10% of all the antibody in the body.

This mAb is specific for the human IgM heavy chain. It does not cross-react with other immunoglobulin heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. IgM antibody is useful in the identification of certain cancer types. Some tumors express 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

Due to differences in protocols and secondaries, the IgM Antibody IM260 / Immunoglobulin M Antibody may need to be titered for optimal performance.

1. FFPE staining requires boiling sections in pH 9 10mM Tris with 1mM EDTA 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 human IgM was used as the immunogen for this IgM Antibody IM260.

## Storage

Store the IgM Antibody IM260 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## References (2)

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