

12-1026: Recombinant Rabbit Monoclonal Antibody to IgG (Immunoglobulin Gamma Heavy Chain) (B-Cell Marker)(Clone : IG507R)

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| Clonality : | Monoclonal |
| Clone Name : | IG507R |
| Application : | IHC |
| Reactivity : | Human |
| Gene : | IGHG |
| Gene ID : | 3500 (IGHG1), 3501 (IGHG2), 3502 (IGHG3), 3503 (IGHG4) (Human) |
| Uniprot ID : | P01857, P01859, P01860, P01861 |
| Format : | Purified |
| Alternative Name : | G1m Marker, G2m Marker, G3m Marker, G4m Marker, HDC, Heavy Chain Disease Protein, Human Immunoglobulin G, Ig gamma1/2/3/4 Chain C Region, IGHG1, IGHG2, IGHG3, IGHG4, Immunoglobulin Heavy Constant ? 1/2/3/4 |
| Isotype : | Rabbit IgG |
| Immunogen Information : | Purified human Ig Gamma Chain |

Description

Recognizes a protein of 75kDa, identified as gamma heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), mu (IgM), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. This 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.

Product Info

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| Amount : | 20 µg / 100 µg |
| Purification : | Purified Ab with BSA and Azide at 200ug/ml |
| Content : | 200ug/ml of Ab purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Known Applications & Suggested Dilutions
Immunohistochemistry (Formalin-fixed) (1-2 µg/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 °C followed by cooling at RT for 20 minutes)

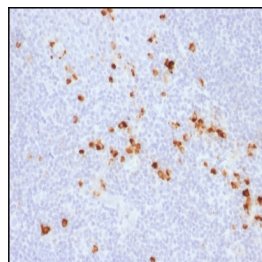


Figure 1 : Formalin-fixed, paraffin-embedded human Tonsil stained with Anti-human IgG Recombinant Rabbit Monoclonal Antibody (IG507R)