

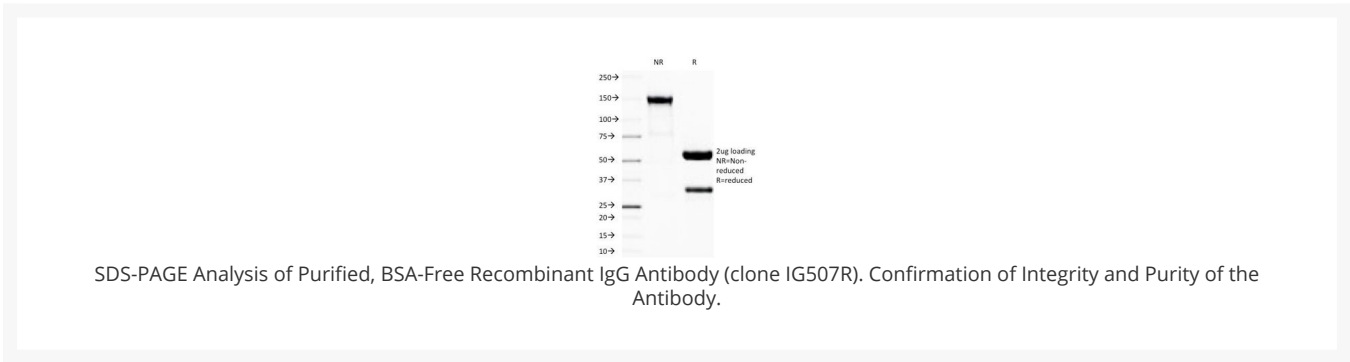


# Recombinant IgG Heavy Chain Antibody [IG507R]

Cat. No.: 34-069



Recombinant IgG Heavy Chain Antibody [IG507R]



SDS-PAGE Analysis of Purified, BSA-Free Recombinant IgG Antibody (clone IG507R). Confirmation of Integrity and Purity of the Antibody.

## $\Psi$ Specifications

<b>HOST SPECIES:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	Human
<b>IMMUNOGEN:</b>	Human Ig Gamma Chain was used as the immunogen for this recombinant IgG antibody.
<b>TESTED APPLICATIONS:</b>	Flow, IF, IHC-P, WB

<b>APPLICATIONS:</b>	<p>Flow Cytometry: 0.5-1 ug/million cells in 0.1ml</p> <p>Immunofluorescence: 0.5-1 ug/ml</p> <p>Immunohistochemistry (FFPE): 0.5-1 ug/ml for 30 min at RT</p> <p>Prediluted IHC only format: incubate for 30 min at RT (1)</p> <p>The optimal dilution of the recombinant IgG antibody for each application should be determined by the researcher.</p> <p>1. 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.</p>
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## Ψ Properties

<b>PURIFICATION:</b>	Protein A affinity chromatography
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	IgG, kappa
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	PBS with 0.1 mg/ml BSA and 0.05% sodium azide
<b>CONCENTRATION:</b>	0.2 mg/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and Store at 2-8 °C. Avoid freeze-thaw cycles.

## Ψ Additional Info

<b>OFFICIAL SYMBOL:</b>	IGHG1
<b>GENE ID:</b>	3500
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher

## Ψ Background and References

<b>BACKGROUND:</b>	<p>Recognizes a protein of 75kDa, identified as gamma heavy chain of human immunoglobulins. It reacts with all sub-classes of gamma 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 mAb 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.</p>
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