

# Mouse Anti-Human IgG Antibody

Catalog No: tcna1000



## Available Sizes

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**Size:** 20ug

**Size:** 100ug



## Specifications

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**Application:**

FACS, IF, IHC-P

**Species Reactivity:**

Human. Other species not known.

**Host Species:**

Mouse

**Immunogen / Amino acids:**

Purified human Ig Gamma Chain was used as the immunogen for this IgG antibody.

**Conjugation:**

Unconjugated

**Clonality:**

Monoclonal

**Clones:**

IG217

**Isotype:**

Mouse IgG1, kappa

**Form:**

Liquid

**Storage Buffer:**

0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide

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**Recommended Dilution:**

Flow Cytometry: 0.5-1ug/million cells in 0.1ml

Immunofluorescence: 0.5-1ug/ml

Immunohistochemistry (Formalin/paraffin) 0.5-1ug/ml for 30 minutes at RT (1)

Prediluted format : incubate for 30 min at RT (2)The optimal dilution of the IgG antibody for each application should be determined by the researcher.

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.

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**Storage Instruction:**

Store the IgG antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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**SwissProt:**

P01857, P01859, P01860, P01861

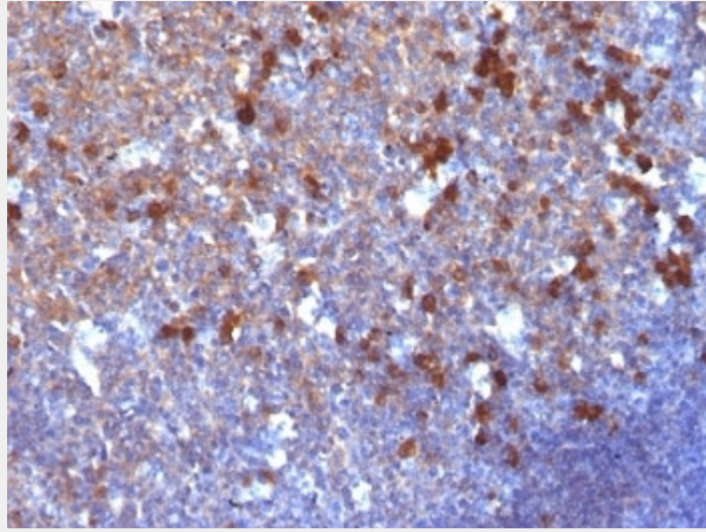
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**References**

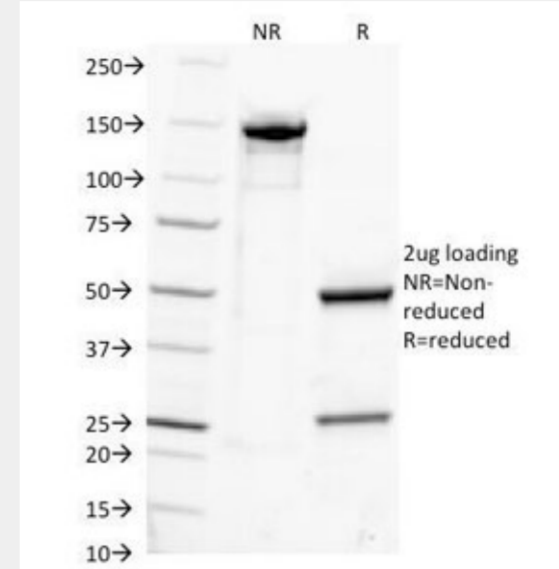
Protein G affinity chromatography

**Product Description**

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.



Formalin-fixed, paraffin-embedded human tonsil stained with IgG antibody (IG217)



SDS-PAGE Analysis of Purified, BSA-Free IgG Antibody (clone IG217). Confirmation of Integrity and Purity of the Antibody.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!