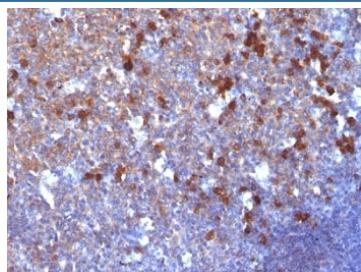


IgG Antibody [clone IG217] (V3147)

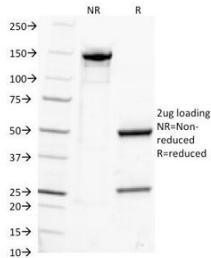
| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V3147-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3147-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V3147SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V3147IHC-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](#)

| | |
|--------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1, kappa |
| Clone Name | IG217 |
| Purity | Protein G affinity chromatography |
| UniProt | P01857, P01859, P01860, P01861 |
| Localization | Cytoplasm, Cell Surface and Secreted |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT (1) (2) |
| Limitations | This IgG antibody is available for research use only. |



IHC: Formalin-fixed, paraffin-embedded human tonsil stained with IgG antibody (clone IG217).



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

Description

Recognizes a protein of 75kDa, identified as gamma heavy chain of human immunoglobulins. It reacts with all subclasses 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.

Application Notes

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.

Immunogen

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

Storage

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