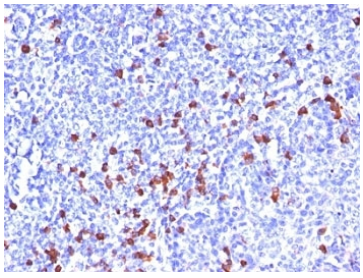
# IgG Antibody SPM556 / Human IgG Heavy Chain Antibody [clone SPM556] (V9028)

| Catalog No. | Formulation | Size |
|---|---|---|
| V9028-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V9028-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V9028SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |
| V9028IHC-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 IgG2a, kappa |
| **Clone Name** | SPM556 |
| **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 |
| **Limitations** | This IgG Antibody SPM556 is available for research use only. |



IgG Antibody SPM556 IHC: Formalin-fixed, paraffin-embedded human tonsil stained with IgG antibody (clone SPM556).

## Description

IgG Antibody SPM556 recognizes a protein of 75kDa, identified as gamma heavy chain of human immunoglobulins. It does not cross-react with IgA, IgM, IgE, or IgD, heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. This mAb is useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkins 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.

Explore our Human IgG Antibody page for additional antibodies supporting sensitive and specific detection of human IgG across a wide range of immunological research applications.

## Application Notes

The optimal dilution of the IgG Antibody SPM556 for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue 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

Purified human Ig Gamma Chain was used as the immunogen for this IgG Antibody SPM556.

## Storage

Store the IgG Antibody SPM556 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).


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