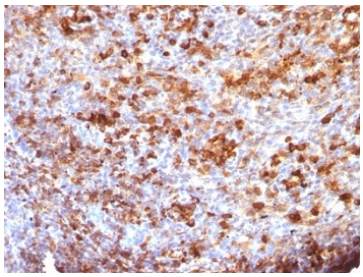
IgG Antibody B33/20 / Human IgG Heavy Chain Antibody [clone B33/20] (V2620)

Catalog No.	Formulation	Size
V2620-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2620-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2620SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2620IHC-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	B33/20
Purity	Protein G affinity chromatography
UniProt	P01857, P01859, P01860, P01861
Localization	Cytoplasm, cell surface and secreted
Applications	Flow cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT
Limitations	This IgG Antibody B33/20 is available for research use only.



IgG Antibody B33/20 IHC: Formalin-fixed, paraffin-embedded human tonsil stained with anti-IgG antibody (clone B33/20).

Description

Recognizes a protein of 75kDa, identified as gamma heavy chain of human immunoglobulins. Its epitope maps in CH2 domain of Fc region of IgG. 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-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

Optimal dilution of the IgG Antibody B33/20 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 polyclonal human Ig Gamma Chain was used as the immunogen for the IgG Antibody B33/20.

Storage

Store the IgG Antibody B33/20 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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