IgG Antibody ICO-97 / Human IgG Heavy Chain Antibody [clone ICO-97] (V2141)

Catalog No.	Formulation	Size
V2141-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2141-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2141SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	ICO-97
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	3500
Localization	Cytoplasm, Cell Surface and Secreted
Applications	ELISA (order BSA/sodium azide-free format for coating) Flow cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 0.5-1ug/ml
Limitations	This IgG Antibody ICO-97 is available for research use only.



Description

IgG Antibody ICO-97 recognizes a protein of 75kDa, identified as the gamma heavy 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. The antibody 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.

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 concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the IgG Antibody ICO-97 / Human IgG Heavy Chain Antibody to be titered up or down for optimal performance.

Immunogen

Purified human IgG heavy chain was used as the immunogen for this IgG Antibody ICO-97.

Storage

Store the IgG Antibody ICO-97 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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