

Product datasheet

Anti-Human IgG antibody [clone CH1] ab7500

2 References

Overview

Product name	Anti-Human IgG antibody [clone CH1]
Description	Mouse monoclonal [clone CH1] to Human IgG
Host species	Mouse
Specificity	Class-specific for human IgG. No allotype restriction. Fc-region specific - relatively high affinity. No cross-reactivity with human IgA, IgM, IgE.
Tested applications	Suitable for: ELISA
Species reactivity	Reacts with: Human
Immunogen	IgG from human serum.
General notes	Concentration varies from lot to lot and can be provided on request.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Ascites
Purification notes	Purified from ascites.
Clonality	Monoclonal
Clone number	clone CH1
Myeloma	Sp2/0
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab7500** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.

Target

Relevance

IgG is a monomeric immunoglobulin, built of two heavy chains gamma and two light chains. Each molecule has two antigen binding sites. This is the most abundant immunoglobulin and is approximately equally distributed in blood and in tissue liquids, constituting 75% of serum immunoglobulins in humans. This is the only isotype that can pass through the human placenta, thereby providing protection to the fetus in its first weeks of life before its own immune system has developed. It can bind to many kinds of pathogens, for example viruses, bacteria, and fungi, and protects the body against them by complement activation (classic pathway), opsonization for phagocytosis and neutralisation of their toxins. There are 4 subclasses: IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%).

Cellular localization

Cell Membrane and Secreted

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