abcam

Product datasheet

Anti-Human IgG4 heavy chain antibody [5C7] ab1930

3 References

Overview

Product name	Anti-Human IgG4 heavy chain antibody [5C7]
Description	Mouse monoclonal [5C7] to Human IgG4 heavy chain
Host species	Mouse
Specificity	Subclass-specific for human IgG4. No allotype restriction. Fc-region specific.
Tested applications	**Suitable for:** ELISA
Species reactivity	**Reacts with:** Human
Immunogen	Full length native protein (purified) corresponding to Human Human IgG4 heavy chain.
General notes	Concentration varies from lot to lot and can be provided on request. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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: 0.09% Sodium azide Constituent: PBS
Purity	Protein A purified
Purification notes	Chromatography on protein A Sepharose
Clonality	Monoclonal
Clone number	5C7
Myeloma	Sp2/0

Isotype IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab1930 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 concentration. Specific antibody titer is 1/100,000 by indirect ELISA.

Target

Relevance Immunoglobulin G (IgG), is one of the most abundant protein in human serum with normal levels between 8-17 mg/ml in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B-lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 1011 variants.

Cellular localization Secreted

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