Datasheet for ABIN7581782

Recombinant Mouse anti-Human IgG (Fc Region) Antibody

3 Images

Go to Product page

Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Human
Host:	Mouse
Expression System:	Phage display
Antibody Type:	Recombinant Antibody
Clonality:	Multiclonal
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	Mouse anti-human IgG (Fc-specific) Antibody, animal-free multiclonal Ab
Immunogen:	No immunization, animal-free antibody development. Antigen: human intravenous immunoglobulins (IVIg)
Isotype:	IgG2a
Specificity:	This is an antibody developed by antibody phage display technology using a human naive antibody gene library and human IgG as antigen. For this antibody both the heavy and light chains are cloned and expressed, generating full-length antibodies.
No Cross-Reactivity:	Cat, Cow, Dog, Goat, Horse, Human, Mouse, Rabbit, Rat
Cross-Reactivity (Details):	No known cross reactivity. No cross-reactivity to human IgM, human IgE, human IgA, mouse

Product Details

	IgG, rabbit IgG, horse IgG, bovine IgG, goat IgG, rat IgG, dog IgG, cat IgG. Other species were not tested.
Characteristics:	Multiclonals are recombinant secondary antibodies that combine the best of polyclonal antisera and hybridoma monoclonal antibodies, while eliminating their disadvantages, plus they add the quality of recombinant reagents. Multiclonal antibodies consist of carefully adjusted mixtures recognizing different epitopes on all four different subclasses of human IgG. Their respective epitope binding sites do not compete with each other, therefore amplifying signal strengths. Multiclonals can contain up to 17 different individually tested monoclonal recombinant antibodies. This provides the typical advantage of polyepitope recognition which is key to the broad application profile of polyclonal antisera, but eliminates their disadvantages (limited batch sizes and batch-to-batch variations, no long-term reproducibility, undefined composition, unknown constituents). Multiclonals are completely sequence defined, implying their unlimited long-term availability and always identical test results. Their composition of individually characterised antibodies minimizes cross-reactivity with other targets, since they do not contain non-target directed IgG like all animal derived polyclonals do. This allows for a much lower unspecific binding reactivity in many assays compared to animal based products.
Purification:	Protein A purification
Grade:	Animal-Free

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Molecular Weight:	150 kDa
UniProt:	P01857

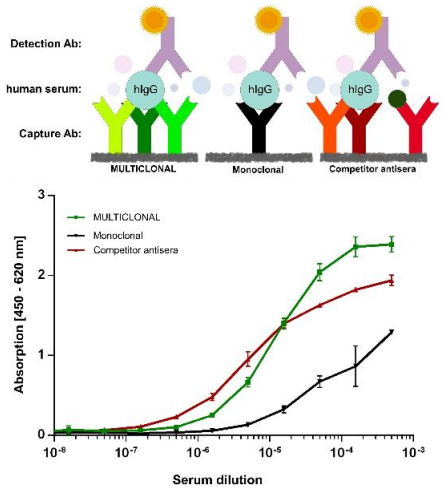
Application Details

Application Notes:	Western Blot: 0.2-5 µg/mL ELISA: 1-12 µg/mL as coating antibody 0.5-5 µg/mL as detection antibody IF: 0.1 - 10 µg/mL Optimal working dilution should be determined by the investigator
Restrictions:	For Research Use only

Handling

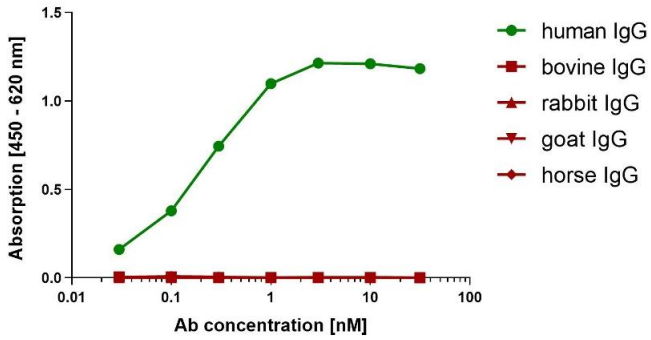
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, pH 7.4,
Storage:	-20 °C

Images



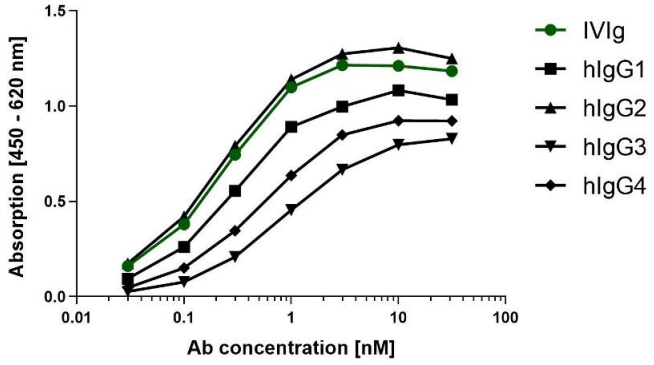
ELISA

Image 1. human IgG detection in serum sample on plate immobilized anti-human MULTICLONAL (green #(ABIN7581782), monoclonal (black), or polyclonal antibody (red).



ELISA

Image 2. Different species IgG were coated on an ELISA plate at 100 ng. Multiclonal anti-human IgG (Fc-specific), (ABIN7581782), was titrated on top. Detection with anti-mouse HRP conjugated antibody. Binding reactions were visualized using TMB. Absorbance was measured in an ELISA plate reader at 450 nm using the signal at 620 nm as reference.



ELISA

Image 3. Different human IgG subclasses were coated on an ELISA plate at 100 ng. Multiclonal anti-human IgG (Fc-specific), (ABIN7581782), was titrated on top. Detection with anti-mouse HRP conjugated antibody. Binding reactions were visualized using TMB. Absorbance was measured in an ELISA plate reader at 450 nm using the signal at 620 nm as reference.