

Datasheet for ABIN7581794

Recombinant Mouse anti-Human IgG4 Antibody



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1 Image

Overview

Quantity:	100 µg
Target:	IgG4
Reactivity:	Human
Host:	Mouse
Expression System:	Phage display
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Application:	ELISA

Product Details

Purpose:	Mouse anti-human IgG4 Antibody, animal-free mAb
Immunogen:	No immunization, animal-free antibody development.
Clone:	AB131-2-C08
Isotype:	IgG2a
Specificity:	This is an antibody developed by antibody phage display technology using a human naive antibody gene library and human IgG4 as antigen. For this antibody both the heavy and light chains are cloned and expressed, generating full-length antibodies.
Cross-Reactivity (Details):	goat IgG. Other species were not tested. No cross reactivity with the other human IgG subtypes IgG1, IgG2 and IgG3
Characteristics:	This antibody reacts with human IgG4 as determined by ELISA techniques. This antibody does

Product Details

not cross react with other human IgG subtypes like IgG1, IgG2 and IgG3. Anti-human monoclonal antibodies are affinity-purified antibodies with well-characterized specificity for human immunoglobulin 4. This antibody works excellent in detection of human IgG4 and is useful in the detection, sorting or purification of its specified target. This antibody can be detected with anti-mouse Fc secondary antibodies.

Purification: Protein A purification

Grade: Animal-Free

Target Details

Target: IgG4

Abstract: [IgG4 Products](#)

Molecular Weight: 150 kDa

Application Details

Application Notes: ELISA: 1-12 µg/mL as coating antibody 0.5-5 µg/mL as detection antibody 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, 0,02 % ProClin300

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

ELISA

Image 1. Subclasses for human IgG and polyclonal human IgG were coated on an ELISA plate at 100 ng. Anti-human IgG4 (hIgG4), ABK131-2-C08-M, 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.

