

Rev01  
Update: Aug,29,2023

**DATASHEET**

# Mouse Anti-Human IgG Fc Antibody (50B4A9), mAb

Cat. No.: A02257

## Overview

<b>Specificity</b>	GenScript Mouse Anti-Human IgG Fc Antibody (50B4A9), mAb reacts with the Fc portion of human IgG but not with the Fab portion of human IgG. This monoclonal antibody has no cross-reactivity with mouse, rat, rabbit, chicken or goat immunoglobulins.
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Human IgG(H&L)
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated

## Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by primary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product. Optimal working dilutions must be determined by the end user.

<b>Application</b>	<b>Recommended Usage</b>
Western Blot	0.1 µg/mL-5 µg/mL
ELISA	0.5 µg/mL-5 µg/mL

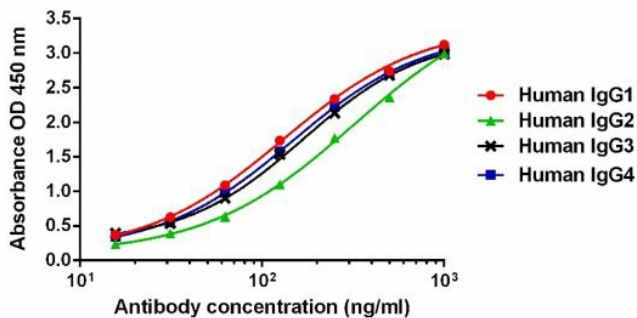
## Properties

<b>Form</b>	Liquid
<b>Storage Buffer</b>	Supplied in PBS (pH 7.4), containing 0.02% sodium azide and 50% glycerol.
<b>Concentration</b>	0.5 mg/ml
<b>Storage Instructions</b>	Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed.

<b>Purification</b>	Protein A affinity column
<b>Isotype</b>	Mouse IgG2b,k
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	50B4A9
<b>Note</b>	GenScript can customize this product per customer's request including product size, buffer components, etc.

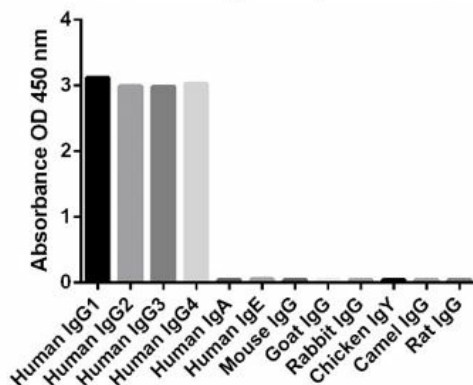
## Examples

Anti-Human IgG Fc Antibody (50B4A9)  
 Cross-reactivity test by Indirect ELISA



Human IgG1, IgG2, IgG3 and IgG4 were tested in Indirect ELISA with Mouse Anti-Human IgG Fc Antibody (50B4A9), mAb (GenScript, A02257). The result demonstrated that Mouse Anti-Human IgG Fc Antibody (50B4A9), mAb recognized Human IgG1, IgG2, IgG3 and IgG4.

Anti-Human IgG Fc Antibody (50B4A9)  
 Cross-reactivity test by Indirect ELISA



Variety of Immunoglobulin were tested in Indirect ELISA with Mouse Anti-Human IgG Fc Antibody (50B4A9), mAb (GenScript, A02257). It had no cross-reactivity with human IgA, human IgE, mouse IgG, rat IgG, rabbit IgG, chicken IgY, camel IgG or goat IgG.

## Background

**Target Background :** Generally, goat anti-human or donkey anti-human IgG polyclonal antibodies are used as the secondary antibody to detect human primary antibodies. However, since polyclonal antibodies can recognize many epitopes, the background and the cross reactivity in the assays is usually high, making the results hard to interpret. To minimize the background and cross reactivity and improve the lot-to-lot consistency, a unique GenScript Mouse Anti-Human IgG Fc Antibody (50B4A9)[HRP], mAb has been developed to be used as a secondary antibody. The superiority of this antibody is that it can be used as an idiotype antibody to detect drug metabolism in vivo.

**Synonyms :** Anti-Human IgG Fc Monoclonal Secondary Antibody (Min X Ms, Rt, Rb, Ch, Gt)

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**

生产商: 南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China