

Rev05  
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**DATASHEET**

# Human IgG (Fc) Antibody, mAb, Mouse

Cat. No.: A01797

## Overview

<b>Specificity</b>	GenScript Human IgG (Fc) Antibody, mAb, Mouse recognizes human IgG and human Fc-tagged proteins.
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Human Fc-tagged protein
<b>Conjugate</b>	Unconjugated

## Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary 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.

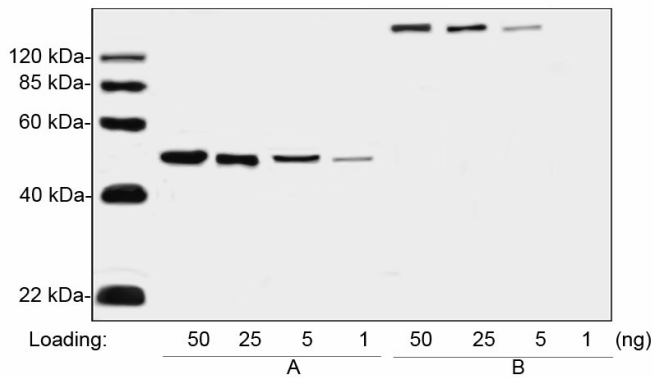
<b>Application</b>	<b>Recommended Usage</b>
ELISA	0.05-0.1 µg/ml
Western Blot	1 µg/ml

## Properties

<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
<b>Reconstitution</b>	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
<b>Storage Instructions</b>	The lyophilized product remains stable for up to 1 year at -20 °C from the date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.
<b>Purification</b>	Protein A affinity column

<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	27B11E9

## Examples



Western blot analysis of human Fc-tagged protein and human IgG using Human IgG (Fc) Antibody, mAb, Mouse (GenScript, A01797, 1  $\mu$ g/ml).

A: Human Fc-tagged protein

B: Human IgG

The signal was developed with IRDye™ 800 Conjugated affinity Purified Goat Anti-Mouse IgG.

## Background

**Target Background :** Human IgG is the major immunoglobulin in blood and plays a key role in the humoral immune response. The Fc portion of human IgG binds to Fc receptor that can activate the complement system. Fc-tagged proteins are generated with DNA recombinant technology. The protein of interest is fused with the Fc tag. Most vectors encoding for Fc tag sequence use the Fc region of human IgG1. Protein A can be used for the purification of Fc-tagged proteins. Human IgG (Fc), mAb, Mouse is a useful tool for immunoassay of human Fc-tagged proteins and human IgG. GenScript Human IgG (Fc) Antibody, mAb, Mouse is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with human Fc-tagged protein.

**Synonyms :** Human IgG (Fc) Antibody, mAb, Mouse

**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