

DATASHEET

Version: 2016-08-17

Human IgG (Fc) Antibody, mAb, Mouse

Cat. No.: A01797-500

Size: 500 µg

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

Description:

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.

Immunogen: Human Fc-tagged protein

Host: Mouse

Conjugation: Unconjugated

Fusion Partner:

Spleen cells were fused with SP2/0-Ag14 mouse myeloma cells.

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Clone: 27B11E9

Ig Subclass: IgG1, κ

Specificity: GenScript Human IgG (Fc) Antibody, mAb, Mouse recognizes human IgG and human Fc-tagged proteins.

Purification: Protein A affinity column

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.

ELISA: 0.05-0.1 µg/ml

Western Blot: 1 µg/ml

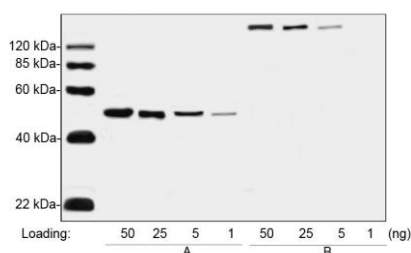
Reconstitution:

Reconstitute the lyophilized product with deionized water (or equivalent) to make antibody concentration of 0.5 mg/ml.

Storage:

GenScript Human IgG (Fc) Antibody, mAb, Mouse is stable in lyophilized form if stored at -20 °C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8 °C. For long term storage, aliquot and store at -20 °C or below. Avoid repeated freezing and thawing cycles.

Example



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

A: Human Fc-tagged protein

B: Human IgG

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