

Mouse Anti-Human IgG Fc Antibody (50B4A9) [HRP], mAb

Cat. No.: A01854

Overview

Specificity	GenScript Mouse Anti-Human IgG Fc Antibody (50B4A9)[HRP], 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.
Host Species	Mouse
Immunogen	Human IgG(H&L)
Conjugate	Horseradish peroxidase (HRP)

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.

Application	Recommended Usage
Western Blot	1:5,000-1:20,000
ELISA	1:5,000-1:20,000
Immunohistochemistry (IHC)	User-optimized

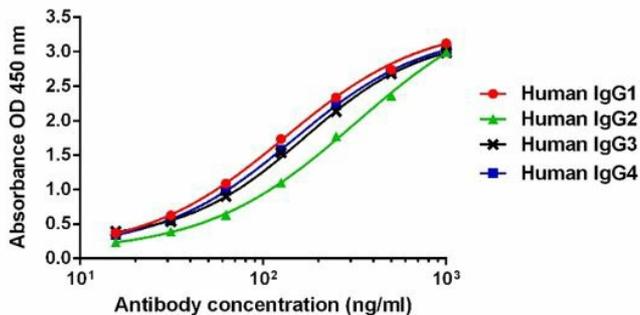
Properties

Form	Liquid
Storage Buffer	Supplied in PBS (pH 7.4), 10 mg/mL BSA, 0.01% thimerosal and 50% glycerol.
Concentration	Not applicable

Storage Instructions	Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed.
Purification	Protein A affinity column
Isotype	Mouse IgG2b,k
Clonality	Monoclonal
Clone ID	50B4A9
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

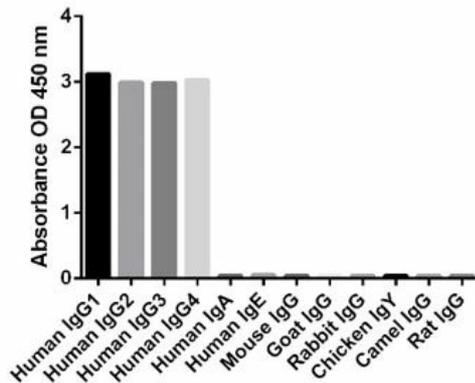
Examples

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



Human IgG1, IgG2, IgG3 and IgG4 were tested in Indirect ELISA with Anti-Human IgG Fc Antibody (50B4A9) (GenScript, A01854). The result demonstrated that Anti-Human IgG Fc Antibody (50B4A9) recognized Human IgG1, IgG2, IgG3 and IgG4.

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



Variety of Immunoglobulin G were tested in Indirect ELISA with Anti-Human IgG Fc Antibody (50B4A9) (GenScript, A01854, 1 µg/ml). It had no cross-reactivity with human IgA, 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.