

RecomAb™

Human IgG2 monoclonal antibody, clone RM118

Catalog # MAB12819 Size 100 ug

Applications

Enzyme-linked Immunoabsorbent Assay

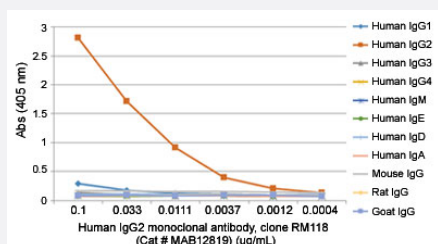
A titer ELISA using Human IgG2 monoclonal antibody, clone RM118 (Cat# MAB12819). The plate was coated with different amounts of human IgG2. A serial dilution of Cat# MAB12819 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

Enzyme-linked Immunoabsorbent Assay

Sandwich ELISA using Human IgG2 monoclonal antibody, clone RM118 (Cat# MAB12819) as the capture antibody, and Human Ig light chain monoclonal antibody, clone RM129 (Biotin) (Cat# MAB12811) as the detection antibody, followed by an AP conjugated streptavidin.

Enzyme-linked Immunoabsorbent Assay

ELISA analysis of Human IgG2 monoclonal antibody, clone RM118 (Cat # MAB12819) at the following concentrations: 0.1 ug/mL, 0.033 ug/mL, 0.0111 ug/mL, 0.0037 ug/mL, 0.0012 ug/mL, 0.0004 ug/mL. The plate was coated with 50 ng/well of different immunoglobulins and the result shows this antibody reacts to human IgG2; no cross reactivity human IgG1, IgG3, IgG4, IgE, IgA, or IgD, mouse IgG, rat IgG, or goat IgG. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA showing Human IgG2 monoclonal antibody, clone RM118 (Cat# MAB12819) does not react to monkey IgG. The plate was coated with Rhesus monkey IgG. A serial dilution of Cat# MAB12819 and a monkey IgG binding antibody (positive control) was used as the detection antibody.

Enzyme-linked Immunoabsorbent Assay

Detection of human IgG2 in monkey serum. Sandwich ELISA using Human IgG2 monoclonal antibody, clone RM118 (Cat# MAB12819) as the capture antibody, and Human Ig light chain monoclonal antibody, clone RM129 (Biotin) (Cat# MAB12811) as the detection antibody, followed by a HRP conjugated streptavidin.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human IgG2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against human IgG2.
Sequence	N/A
Reactivity	Human
Specificity	This antibody reacts to the heavy chain of human IgG2. No cross reactivity with human IgG1, IgG3, IgG4, IgM, IgA, IgD, IgE, mouse IgG, rat IgG, or goat IgG.
Form	Liquid
Purification	Protein A affinity purification
Isotype	IgG
Recommend Usage	ELISA (0.05-0.2 ug/mL for detection; 0.05-0.2 ug/well for capture) Flow Cytometry Immunocytochemistry (0.5-2 ug/mL) Immunohistochemistry (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry

- Immunocytochemistry

- Enzyme-linked Immunoabsorbent Assay

A titer ELISA using Human IgG2 monoclonal antibody, clone RM118 (Cat# MAB12819). The plate was coated with different amounts of human IgG2. A serial dilution of Cat# MAB12819 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

Sandwich ELISA using Human IgG2 monoclonal antibody, clone RM118 (Cat# MAB12819) as the capture antibody, and Human Ig light chain monoclonal antibody, clone RM129 (Biotin) (Cat# MAB12811) as the detection antibody, followed by an AP conjugated streptavidin.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of Human IgG2 monoclonal antibody, clone RM118 (Cat # MAB12819) at the following concentrations: 0.1 ug/mL, 0.033 ug/mL, 0.0111 ug/mL, 0.0037 ug/mL, 0.0012 ug/mL, 0.0004 ug/mL. The plate was coated with 50 ng/well of different immunoglobulins and the result shows this antibody reacts to human IgG2; no cross reactivity human IgG1, IgG3, IgG4, IgE, IgA, or IgD, mouse IgG, rat IgG, or goat IgG. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA showing Human IgG2 monoclonal antibody, clone RM118 (Cat# MAB12819) does not react to monkey IgG. The plate was coated with Rhesus monkey IgG. A serial dilution of Cat# MAB12819 and a monkey IgG binding antibody (positive control) was used as the detection antibody.

- Enzyme-linked Immunoabsorbent Assay

Detection of human IgG2 in monkey serum. Sandwich ELISA using Human IgG2 monoclonal antibody, clone RM118 (Cat# MAB12819) as the capture antibody, and Human Ig light chain monoclonal antibody, clone RM129 (Biotin) (Cat# MAB12811) as the detection antibody, followed by a HRP conjugated streptavidin.

- Flow Cytometry

Gene Info — IGHG2

Entrez GeneID	3501
Protein Accession#	P01859
Gene Name	IGHG2
Gene Alias	DKFZp686I04196
Gene Description	immunoglobulin heavy constant gamma 2 (G2m marker)
Omim ID	147110
Gene Ontology	Hyperlink
Other Designations	-

Disease

- [Dermatomyositis](#)
- [Genetic Predisposition to Disease](#)
- [Polymyositis](#)