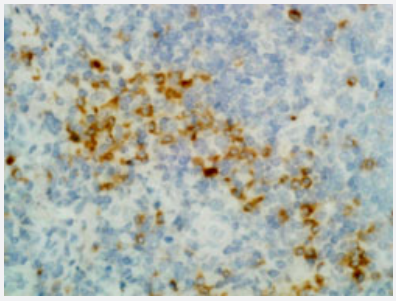
RecomAb™

Human IgG (gamma heavy chain) monoclonal antibody, clone RM116 (Biotin)

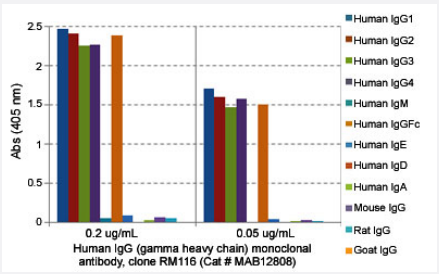
Catalog # MAB14948 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with Human IgG (gamma heavy chain) monoclonal antibody, clone RM116 (Biotin) (Cat # MAB14948).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of Human IgG (gamma heavy chain) monoclonal antibody, clone RM116 (Cat # MAB12808) at the following concentrations: 0.2 ug/mL, 0.05 ug/mL. The plate was coated with 50 ng/well of different immunoglobulins and the result shows this antibody reacts to the gamma 1, gamma 2, gamma3, gamma 4 of human IgGs and the Fc of human IgG; no cross reactivity with other human heavy chains, mouse IgG, rat IgG, or goat IgG. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human IgG (gamma heavy chain).
Antibody Species	Rabbit
Immunogen	Original antibody is raised against mouse IgG.
Sequence	N/A
Reactivity	Human

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Form	Liquid
Conjugation	Biotin
Purification	Protein A purification
Isotype	IgG
Recommend Usage	ELISA (0.05-0.2 ug/well for capture, 0.05-0.2 ug/mL for detection) Flow Cytometry Immunocytochemistry (0.5-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (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 shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with Human IgG (gamma heavy chain) monoclonal antibody, clone RM116 (Biotin) (Cat # MAB14948).

- Immunocytochemistry

- Flow Cytometry

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of Human IgG (gamma heavy chain) monoclonal antibody, clone RM116 (Cat # MAB12808) at the following concentrations: 0.2 ug/mL, 0.05 ug/mL. The plate was coated with 50 ng/well of different immunoglobulins and the result shows this antibody reacts to the gamma 1, gamma 2, gamma3, gamma 4 of human IgGs and the Fc of human IgG; no cross reactivity with other human heavy chains, mouse IgG, rat IgG, or goat IgG. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

Gene Info — IGHG1

Entrez GeneID	3500
Protein Accession#	P01857;P01859;P01860;P01861

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Gene Name	IGHG1
Gene Alias	-
Gene Description	immunoglobulin heavy constant gamma 1 (G1m marker)
Omim ID	147100
Gene Ontology	Hyperlink
Other Designations	-

Gene Info — IGHG2

Entrez GeneID	3501
Protein Accession#	P01857;P01859;P01860;P01861
Gene Name	IGHG2
Gene Alias	DKFZp686I04196
Gene Description	immunoglobulin heavy constant gamma 2 (G2m marker)
Omim ID	147110
Gene Ontology	Hyperlink
Other Designations	-

Gene Info — IGHG3

Entrez GeneID	3502
Protein Accession#	P01857;P01859;P01860;P01861
Gene Name	IGHG3
Gene Alias	DKFZp686H11213, FLJ39988, FLJ40036, FLJ40253, FLJ40587, FLJ40789, FLJ40834, IgG3, MGC45809
Gene Description	immunoglobulin heavy constant gamma 3 (G3m marker)
Omim ID	147120
Gene Ontology	Hyperlink

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Other Designations	-

Gene Info — IGHG4

Entrez GeneID	3503
Protein Accession#	P01857;P01859;P01860;P01861
Gene Name	IGHG4
Gene Alias	MGC117419
Gene Description	immunoglobulin heavy constant gamma 4 (G4m marker)
Omim ID	147130
Gene Ontology	Hyperlink
Other Designations	-

Disease

- Asthma
- Asthma
- Crohn Disease
- Dermatomyositis
- Dermatomyositis
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Helicobacter Infections
- Hypersensitivity
- Polymyositis
- Polymyositis
- Purpura

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- Sarcoidosis

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