

ARG45018 anti-IgG3 antibody [RM119]

Package: 50 μg Store at: -20°C

Summary

Product DescriptionRabit Monoclonal antibody [RM119] recognizes IgG3.Tested ReactivityHuTested ApplicationELISA, ICC/IF, IHC-PSpecificityThis antibody reacts to the heavy chain of human IgG3, RM119 does not cross react to any other IgG subclasses (IgG1, IgG2, or IgG4), and shows no cross reactivity IgM, IgA, IgD, IgE. RM119 does not react to monkey (Cyno or Rhesus) IgG, mouse IgG, rat IgG, or goat IgG.HostRabitClonalityMonoclonalCloneRM119IsotypeIgGTarget NameIgG3ImmunogenHuman IgG3ConjugationUn-cnjugatedInformate NamesIgG3GingiationIn-cnjugatedMonoglobulin Heavy Constant Region Of Heavy Chain Of IgG3, Immunoglobulin Heavy Constant Region Of Heavy Schain Of IgG3, Immunoglobulin Heavy Constant Region Of Heavy Schain Of IgG3, Immunoglobulin Gamma 3 (Gm Marker); Scoretar-Type Ig Gamma Heavy-Chain, Heavy Chain, IgGamma 2, Hom Chain Of IgG3, Hom Constant Region Chain Of IgG3, Hom Constant Regi		
Tested ApplicationELISA, ICC/IF, IHC-PSpecificityThis antibody reacts to the heavy chain of human IgG3, RM119 does not cross react to any other IgG subclasses (IgG1, IgG2, or IgG4), and shows no cross reactivity IgM, IgA, IgD, IgE. RM119 does not react to monkey (Cyno or Rhesus) IgG, mouse IgG, rat IgG, or goat IgG.HostRabbitClonalityMonoclonalCloneRM119IsotypeIgGTarget NameIgG3SpeciesHuman IgG3ImmunogenUn-conjugatedInoraget IgIgG3ConjugationUn-conjugatedAlternate NamesGHG3; Immunoglobulin Heavy Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Constant Gamma 3 (Gm Marker); Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Constant Gamma 3 (Gm Marker); Secrete-Type Ig Gamma Heavy-Chain; Heavy Chain	Product Description	Rabbit Monoclonal antibody [RM119] recognizes IgG3.
SpecificityThis intibody reacts to the heavy chain of human IgG3, RM119 does not cross react to any other IgG subclasses (IgG1, IgG2, or IgG4), and shows no cross reactivity IgM, IgA, IgD, IgE. RM119 does not react to monkey (Cyno or Rhesus) IgG, mouse IgG, rat IgG, or goat IgG.HostRabbitClonalityMonoclonalCloneRM119IsotypeIgGI gG3Itoman IgG3SpeciesHuman IgG3I mmunogenHuman IgG3ConjugationUn-conjugatedAlternate NamesGHG3; Immunoglobulin Heavy Constant Region Of Heavy Chain of IgG3; Immunoglobulin Heavy Constant Gamma 3 (Gm Marker); Secrete-Type Ig Gamma Heavy-Chain; Heavy Chain	Tested Reactivity	Hu
subclasses (lgG1, lgG2, or lgG4), and shows no cross reactivity IgM, IgA, IgD, IgE. RM119 does not react to monkey (Cyno or Rhesus) IgG, mouse IgG, rat IgG, or goat IgG.HostRabbitClonalityMonoclonalCloneRM119IsotypeIgGTarget NameIgG3ImmunogenHuman IgG3Target IgIgG3ConjugationUn-conjugatedAlternate NamesIgHG3; Immunoglobulin Heavy Constant Gamma 3 (Gm Marker); Secrete-Type Ig Gamma Heavy-Chain; Heavy Chain	Tested Application	ELISA, ICC/IF, IHC-P
ClonalityMonoclonalCloneRM19IsotypeIgGTarget NameIgG3SpeciesHuman GG3ImmunogenIgG3ConjugationIn-conjugatedMercal SpeciesIn-conjugatedSpeciesIgG3SpeciesIgG3SpeciesIgG3SpeciesIgG3SpeciesIgG3SpeciesIgG3SpeciesIn-conjugatedSpeciesIgG3SpeciesIn-conjugatedSpeci	Specificity	subclasses (IgG1, IgG2, or IgG4), and shows no cross reactivity IgM, IgA, IgD, IgE. RM119 does not react
CioneRM119IsotypeIgGTarget NameIgG3SpeciesHuman IgG3ImmunogenIgG3Target IgIgG3ConjugationUn-conjugatedAlternate NamesGHG3; Immunoglobulin Heavy Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Constant Conjugation Simma 3 (Gm Marker); Socrete-Type Ig Gamma Heavy Chain, Heavy Chain	Host	Rabbit
isotypeIgGTarget NameIgG3SpeciesHumanImmunogenHuman IgG3Target IgIgG3ConjugationUn-conjugatedAlternate NamesGHG3; Immunoglobulin Heavy Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Chain, Heavy Chain	Clonality	Monoclonal
Target NameIgG3SpeciesHumanImmunogenHuman IgG3Target IgIgG3ConjugationUn-conjugatedAlternate NamesIGHG3; Immunoglobulin Heavy Constant Gamma 3 (G3m Marker); Immunoglobulin Heavy Constant Gamma 3 (Gm Marker); Constant Region Of Heavy Chain of IgG3; Immunoglobulin Heavy Constant Gamma 3 (Gm Marker); Secrete-Type Ig Gamma Heavy-Chain; Heavy Chain	Clone	RM119
SpeciesHumanImmunogenHuman IgG3Target IgIgG3ConjugationUn-conjugatedAlternate NamesIGHG3; Immunoglobulin Heavy Constant Gamma 3 (G3m Marker); Immunoglobulin Heavy Constant Gamma 3 (Gm Marker); Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Constant Gamma 3; Immunoglobulin Gamma 3 (Gm Marker); Secrete-Type Ig Gamma Heavy-Chain; Heavy Chain	Isotype	IgG
ImmunogenHuman IgG3Target IgIgG3ConjugationUn-conjugatedAlternate NamesIGHG3; Immunoglobulin Heavy Constant Gamma 3 (G3m Marker); Immunoglobulin Heavy Constant Gamma 3 (Gm Marker); Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Constant Gamma 3; Immunoglobulin Gamma 3 (Gm Marker); Secrete-Type Ig Gamma Heavy-Chain; Heavy Chain	Target Name	lgG3
Target IgIgG3ConjugationUn-conjugatedAlternate NamesIGHG3; Immunoglobulin Heavy Constant Gamma 3 (G3m Marker); Immunoglobulin Heavy Constant Gamma 3 (Gm Marker); Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Constant Gamma 3; Immunoglobulin Gamma 3 (Gm Marker); Secrete-Type Ig Gamma Heavy-Chain; Heavy Chain	Species	Human
ConjugationUn-conjugatedAlternate NamesIGHG3; Immunoglobulin Heavy Constant Gamma 3 (G3m Marker); Immunoglobulin Heavy Constant Gamma 3 (Gm Marker); Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Constant Gamma 3; Immunoglobulin Gamma 3 (Gm Marker); Secrete-Type Ig Gamma Heavy-Chain; Heavy Chain	Immunogen	Human IgG3
Alternate Names IGHG3; Immunoglobulin Heavy Constant Gamma 3 (G3m Marker); Immunoglobulin Heavy Constant Gamma 3 (Gm Marker); Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Constant Gamma 3; Immunoglobulin Gamma 3 (Gm Marker); Secrete-Type Ig Gamma Heavy-Chain; Heavy Chain	Target Ig	lgG3
Gamma 3 (Gm Marker); Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Constant Gamma 3; Immunoglobulin Gamma 3 (Gm Marker); Secrete-Type Ig Gamma Heavy-Chain; Heavy Chain	Conjugation	Un-conjugated
	Alternate Names	Gamma 3 (Gm Marker); Constant Region Of Heavy Chain Of IgG3; Immunoglobulin Heavy Constant Gamma 3; Immunoglobulin Gamma 3 (Gm Marker); Secrete-Type Ig Gamma Heavy-Chain; Heavy Chain

Application Instructions

Application table	Application	Dilution
	ELISA	50 - 200 ng/well (for Capture)
	ICC/IF	0.5 - 2 μg/mL
	IHC-P	0.5 - 2 μg/ml
Application Note	* The dilutions indicate should be determined b	recommended starting dilutions and the optimal dilutions or concentrations by the scientist.

Properties

Buffer	PBS with 50% Glycerol, 1% BSA and 0.09% sodium azide
Preservative	0.09% sodium azide
Stabilizer	50% Glycerol, 1% BSA and 0.09%
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IGHG3
Gene Full Name	Immunoglobulin Heavy Constant Gamma 3 (G3m Marker)
Background	Predicted to enable antigen binding activity and immunoglobulin receptor binding activity. Involved in retina homeostasis. Located in blood microparticle and extracellular exosome. [provided by Alliance of Genome Resources, Apr 2022]
Function	The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable affinity for a particular antigen. The variable domains are assembled by a process called V-(D)-J rearrangement and can then be subjected to somatic hypermutations which, after exposure to antigen and selection, allow affinity maturation for a particular antigen. [Uniprot]
PTM	Disulfide bond, Glycoprotein. [Uniprot]
Cellular Localization	Cell membrane, Immunoglobulin, Membrane, Secreted. [Uniprot]