

IgG4 recombinant antibody

Rabbit anti-Human IgG4 Recombinant Monoclonal Antibody [BLR113H]

CATALOG # AAA213584	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

IgG4; Monoclonal Recombinant Antibody; Rabbit anti-Human IgG4 Recombinant Monoclonal Antibody [BLR113H]; hIgG4; immunoglobulin heavy constant gamma 4 (G4m marker); IgG4 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR113H
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	100ug/ml (varies by lot)
Applicable Applications for IgG4 recombinant antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Between 75 and 125
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human IgG4 by western blot. Samples: Purified human IgG1 (0.1 ug), IgG2 (0.5 ug), IgG3 (0.5 ug), and IgG4 (0.5 ug). Antibody: Rabbit anti-Human IgG4 recombinant monoclonal antibody (AAA213584 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Goat anti-Human IgG-heavy and light chain antibody .



IHC (Immunohistochemistry)

Detection of human IgG4 in FFPE tonsil by immunohistochemistry. Antibody: Rabbit anti-Human IgG4 recombinant monoclonal antibody (AAA213584 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.

ADDITIONAL INFORMATION

Related Product Information for IgG4 recombinant antibody	IgG4 represents only 2-5% of the human IgG subclasses in serum. IgG4 lacks effector functions, such as antibody-dependent cell-mediated cytotoxicity and complement-dependent cytotoxicity. IgG4 plays a protective role in allergy by acting as a blocking antibody, and inhibiting mast cell degranulation, but a deleterious role in malignant melanoma, by impeding IgG1-mediated anti-tumor immunity.
Product Categories/Family for IgG4 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	121047
NCBI GeneID	3503
UniProt Accession #	P01861
Molecular Weight	146,000
NCBI Official Full Name	Ig gamma-4 chain C region
NCBI Official Synonym Full Names	immunoglobulin heavy constant gamma 4 (G4m marker)
NCBI Official Symbol	IGHG4
UniProt Protein Name	Ig gamma-4 chain C region
UniProt Gene Name	IGHG4
UniProt Entry Name	IGHG4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/igg4-recombinant-antibody-clone-blr113h-immunohistochemistry-western-blot-elisa/213584>