RHD Antibody

PRODUCT OVERVIEW

Product Name	RHD, Antibody
Full Product Name	PE-conjugated Anti-RHD (trinbelimab biosimilar) mAb
Product Gene Name	anti-RHD antibody
Product Synonym Names	RH; Rh4; RH30; RhII; RhPI; DIIIc; RHCED; RHDel; RHPII; RhDCw; CD240D; HDFNRH; RHXIII; SLC42A5; RHDVA(TT); RhK562-II; r-anti-D
Isotype	IgG1
Species Reactivity	Human
Form/Format	Liquid, PBS with 0.05% Proclin300, 791% BSA
Preparation and Storage	Store at 2 degree C-8 degree C fo 6 months
Molecular Weight	41,694 Da
OMIM	X63097 mRNA
3D Structure	ModBase 3D Structure for Q02161
Conjugation	PE-conjugated
Product Categories/Family for anti-RHD antibody	Biosimilar reference antibodies
Applications Tested/Suitable for anti-RHD antibody	Flow Cytometry (FC/FACS)
Application Notes for anti-RHD antibody	FC/FACS: 1:100
Related Product Information for anti-RHD antibody	MBS1881992 is an antibody targeting RHD. Also known as PE-conjugated Anti-RHD (trinbelimab biosimilar) mAb. Reactive in Human.
Other Notes	Small volumes of anti-RHD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RHD. It may not necessarily be applicable to this product.

NCBI GI #	189095266
NCBI GeneID	6007
NCBI Accession #	NP_001121163.1
UniProt Primary Accession #	Q02161
UniProt Secondary Accession #	Q02162; Q07618; Q16147; Q16235; Q16355; Q5VSK0; Q5XLS9; Q5XLT1; Q5XLT2; Q9NPK0; Q9UQ20
UniProt Related Accession #	Q02161
GenBank Nucleotide #	NM_001127691.2
NCBI Official Full Name	blood group Rh(D) polypeptide isoform 2

NCBI Official Synonym Full Names	Rh blood group D antigen
NCBI Official Symbol	RHD
NCBI Official Synonym Symbols	RH; Rh4; RH30; RhII; RhPI; DIIIc; RHCED; RHDel; RHPII; RhDCw; CD240D; RHXIII; RHDVA(TT); RhK562-II
UniProt Protein Name	Blood group Rh(D) polypeptide
UniProt Synonym Protein Names	RHXIII; Rh polypeptide 2; RhPII; Rhesus D antigen; CD_antigen: CD240D
UniProt Gene Name	RHD
UniProt Synonym Gene Names	RhPII
NCBI Protein Information	blood group Rh(D) polypeptide
NCBI Summary for RHD	The Rh blood group system is the second most clinically significant of the blood groups, second only to ABO. It is also the most polymorphic of the blood groups, with variations due to deletions, gene conversions, and missense mutations. The Rh blood group includes this gene, which encodes the RhD protein, and a second gene that encodes both the RhC and RhE antigens on a single polypeptide. The two genes, and a third unrelated gene, are found in a cluster on chromosome 1. The classification of Rh-positive and Rh-negative individuals is determined by the presence or absence of the highly immunogenic RhD protein on the surface of erythrocytes. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for RHD	May be part of an oligomeric complex which is likely to have a transport or channel function in the erythrocyte membrane.
Research Articles on RHD	**1.** Six weak D types in the Russian Federation: the most common type 3 (49.2%) and type 1 (28.6%), type 2 (14.3), type 15 (4.8%), type 4.2 (DAR) (1.6%) and type 6 (1.6%).
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