ART4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ART4, Polyclonal Antibody
Full Product Name	ART4 Polyclonal Antibody
Product Gene Name	anti-ART4 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	35kDa
3D Structure	ModBase 3D Structure for Q93070
Immunogen	A synthetic peptide of human ART4 (NP_066549.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ART4 antibody	Western Blot (WB)
Application Notes for anti-ART4 antibody	WB: 1:500-1:2000
Related Product Information for anti-ART4 antibody	This gene encodes a protein that contains a mono-ADP-ribosylation (ART) motif. It is a member of the ADP-ribosyltransferase gene family but enzymatic activity has not been demonstrated experimentally. Antigens of the Dombrock blood group system are located on the gene product, which is glycosylphosphatidylinosotol-anchored to the erythrocyte membrane. Allelic variants, some of which lead to adverse transfusion reactions, are known.
Other Notes	Small volumes of anti-ART4 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.
Searchable Terms for ART4 purchase	MBS8570712 is an antibody targeting ART4. Also known as ART4 Polyclonal Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ART4. It may not necessarily be applicable to this product.

NCBI GI #	22261809
NCBI GeneID	420
NCBI Accession #	Q93070.2
UniProt Primary Accession #	Q93070
UniProt Related Accession #	Q93070

NCBI Official Full Name	Ecto-ADP-ribosyltransferase 4
NCBI Official Synonym Full Names	ADP-ribosyltransferase 4 (Dombrock blood group)
NCBI Official Symbol	ART4
NCBI Official Synonym Symbols	DO; DOK1; ARTC4; CD297; DO/ART4
UniProt Protein Name	Ecto-ADP-ribosyltransferase 4
UniProt Synonym Protein Names	ADP-ribosyltransferase C2 and C3 toxin-like 4; ARTC4; Dombrock blood group carrier molecule; Mono(ADP-ribosyl)transferase 4; NAD(P)(+)--arginine ADP-ribosyltransferase 4; CD_antigen: CD297
Protein Family	Ecto-ADP-ribosyltransferase
UniProt Gene Name	ART4
UniProt Synonym Gene Names	DO; DOK1; ARTC4
NCBI Protein Information	ecto-ADP-ribosyltransferase 4
Research Articles on ART4	**1.** Characterization of two novel DO*B alleles highlights the value of testing selected ethnic groups in understanding DO allele diversity.
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