EDNRA Antibody

PRODUCT OVERVIEW

Product Name	EDNRA, Antibody
Full Product Name	PE-conjugated Anti-EDNRA (patecibart biosimilar) mAb
Product Gene Name	anti-EDNRA antibody
Product Synonym Names	ETA; ET-A; ETAR; ETRA; MFDA; ETA-R; hET-AR; GMA-301; GMA301; GMA 301; Getagozumab
Isotype	IgG4
Species Reactivity	Human
Form/Format	Liquid, PBS with 0.05% Proclin300, 638% BSA
Preparation and Storage	Store at 2 degree C-8 degree C fo 6 months
Molecular Weight	48,722 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (148402069..148466106). Location: 4q31.22
OMIM	131243
3D Structure	ModBase 3D Structure for P25101
Conjugation	PE-conjugated
Product Categories/Family for anti-EDNRA antibody	Biosimilar reference antibodies
Applications Tested/Suitable for anti-EDNRA antibody	Flow Cytometry (FC/FACS)
Application Notes for anti-EDNRA antibody	FC/FACS: 1:100
Related Product Information for anti-EDNRA antibody	MBS1881533 is an antibody targeting EDNRA. Also known as PE-conjugated Anti-EDNRA (patecibart biosimilar) mAb. Reactive in Human.
Other Notes	Small volumes of anti-EDNRA 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 EDNRA. It may not necessarily be applicable to this product.

NCBI GI #	260593650
NCBI GeneID	1909
NCBI Accession #	NP_001159527.1
UniProt Primary Accession #	P25101
UniProt Secondary Accession #	O43441; Q16432; Q16433; Q8TBH2; B2R723; B4E2V6; B7Z9G6; D3DP03; E7ER36
UniProt Related Accession #	P25101; AAB24923
GenBank Nucleotide #	NM_001166055.1

NCBI Official Full Name	endothelin-1 receptor isoform b
NCBI Official Synonym Full Names	endothelin receptor type A
NCBI Official Symbol	EDNRA
NCBI Official Synonym Symbols	ETA; ET-A; ETAR; ETRA; ETA-R; hET-AR
UniProt Protein Name	Endothelin-1 receptor
UniProt Synonym Protein Names	Endothelin A receptor
Protein Family	Endothelin-1 receptor
UniProt Gene Name	EDNRA
UniProt Synonym Gene Names	ETA; ETRA; ET-A; ETA-R; hET-AR
UniProt Entry Name	EDNRA_HUMAN
NCBI Protein Information	endothelin-1 receptor; G protein-coupled receptor; endothelin receptor subtype A; endothelin-1-specific receptor
NCBI Summary for EDNRA	This gene encodes the receptor for endothelin-1, a peptide that plays a role in potent and long-lasting vasoconstriction. This receptor associates with guanine-nucleotide-binding (G) proteins, and this coupling activates a phosphatidylinositol-calcium second messenger system. Polymorphisms in this gene have been linked to migraine headache resistance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]
UniProt Comments for EDNRA	EDNRA: Receptor for endothelin-1. Mediates its action by association with G proteins that activate a phosphatidylinositol- calcium second messenger system. The rank order of binding affinities for ET-A is: ET1 > ET2 >> ET3. Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRA sub-subfamily. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Receptor, GPCR; Membrane protein, integral; Motility/polarity/chemotaxis; GPCR, family 1 Chromosomal Location of Human Ortholog: 4q31.22 Cellular Component: nuclear membrane; integral to plasma membrane; T-tubule; plasma membrane; lipid raft Molecular Function: endothelin receptor activity; protein binding; phosphoinositide phospholipase C activity Biological Process: positive regulation of odontogenesis; elevation of cytosolic calcium ion concentration during G-protein signaling, coupled to IP3 second messenger (phospholipase C activating); neural crest cell development; metabolic process; heart development; response to morphine; smooth muscle cell proliferation; response to lipopolysaccharide; glucose transport; signal transduction; sensory perception of pain; enteric nervous system development; regulation of epithelial cell proliferation; Rho protein signal transduction; histamine secretion; elevation of cytosolic calcium ion concentration; negative regulation of cAMP biosynthetic process; smooth muscle contraction; fibroblast proliferation; regulation of blood pressure; protein kinase C activation; positive regulation of cell proliferation; artery smooth muscle contraction; penile erection; aging; vasoconstriction; in utero embryonic development; glomerular filtration; adenylate cyclase activation; respiratory gaseous exchange; patterning of blood vessels; cell proliferation; G-protein coupled receptor protein signaling pathway; phospholipase C activation; maternal process involved in parturition; response to hypoxia; positive regulation of protein amino acid phosphorylation; positive regulation of release of sequestered calcium ion into cytosol; positive regulation of inflammatory response; negative regulation of apoptosis Disease: Mandibulofacial Dysostosis With Alopecia; Migraine With Or Without Aura, Susceptibility To, 1
Research Articles on EDNRA	**1.** The mRNA expressions of endothelin A and B receptors and endothelin-1 are significantly increased in failed Fontan patients.
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