
Alternate Names	ET-A, ETA, ETA-R, ETAR, ETRA, hET-AR, MFDA
Isotype	IgG2a
Conjugate	Unconjugated
Background	Human endothelin receptor type A (EDNRA), is a 7-transmembrane G protein-coupled receptor (GPCR). EDNRA is a Class A GPCR that binds guanine nucleotides. EDNRA modulates vasoconstriction and cell proliferation and has been associated with many diseases such as massive atherosclerotic stroke, intracranial aneurysm, migraine, and various tumors. Recently EDNRA has been the focus of possible anti-tumor therapies. Human EDNRA protein has >95% sequence homology with mouse EDNRA.

Product Details

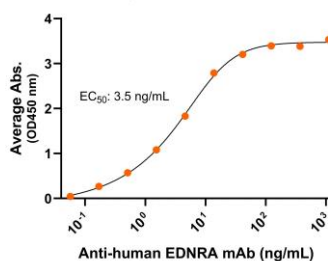
Specificity	Human
Antibody Type	Monoclonal antibody
Host Species	Mouse
Immunogen	EDNRA N-terminus extracellular domain, the exact sequence of the immunogen is proprietary.; UniProt # P25101
Formulation / Storage buffer	Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4 with 10% trehalose as protectant
Reconstitution	For best performance, we strongly recommend you reconstitute the lyophilized product with deionized water to a stock solution of 500 µg/mL. Solubilize for 20 minutes at room temperature with occasional gentle mixing. Avoid shaking or vortexing. For 25µg product size: Reconstitute with 50 µL sterile deionized water. For 100µg product size: Reconstitute with 200 µL sterile deionized water.

Shipping	Frozen Ice Packs
Purification	Affinity Enrichment
Stability & Storage	-20°C
Verified Application	ELISA
Recommended Usage	ELISA: starting concentration 1 µg/mL

Bioactive Data, Detection of Antigen by:

ELISA

Anti-human EDNRA Monoclonal Antibody, ELISA
0.2µg of EDNRA protein per well



Immobilized human EDNRA fragment at 2 µg/mL (100 µL/well) can bind mouse Anti-Human EDNRA Monoclonal Antibody (Cat. No. CABh-25397) with half maximal effective concentration (EC50) range of 1.8-7 ng/mL (QC tested).

Antigen Details

Structure	7-transmembrane protein, G protein-coupled receptor (GPCR)
Function	vasoconstriction and cell proliferation
Ligand / Receptor	guanine nucleotides
Cell Type	mainly vascular and pulmonary smooth muscle cells
Molecular Family	G protein-coupled receptor
Gene ID	P25101