

Anti-ET-1 Reference Antibody (Regeneron patent anti-Big-ET-1)

Catalog # APR11494

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P05305
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	24425

Additional Information

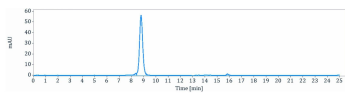
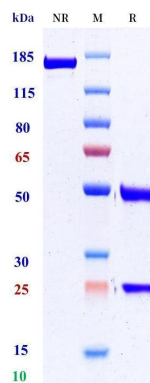
Target/Specificity	ET-1
Expression system	CHO

Protein Information

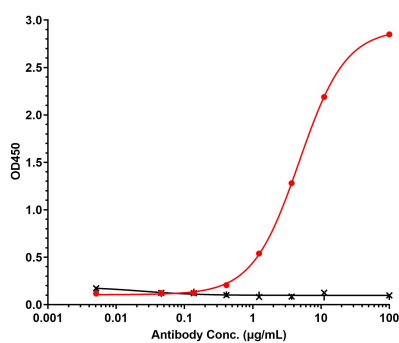
Name	EDN1
Function	Endothelins are endothelium-derived vasoconstrictor peptides (By similarity). Probable ligand for G protein-coupled receptors EDNRA and EDNRB which activates PTK2B, BCAR1, BCAR3 and, GTPases RAP1 and RHOA cascade in glomerular mesangial cells (PubMed: 19086031). Also binds the DEAR/FBXW7-AS1 receptor (PubMed: 17446437). Promotes mesenteric arterial wall remodeling via activation of ROCK signaling and subsequent colocalization of NFATC3 with F-actin filaments (By similarity). NFATC3 then translocates to the nucleus where it subsequently promotes the transcription of the smooth muscle hypertrophy and differentiation marker ACTA2 (By similarity).
Cellular Location	Secreted.
Tissue Location	Expressed in lung, placental stem villi vessels and in cultured placental vascular smooth muscle cells

Images

Anti-ET-1 Reference Antibody (Regeneron patent anti-Big-ET-1) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-ET-1 Reference Antibody (Regeneron patent anti-Big-ET-1) is 96.52%, determined by SEC-HPLC.



Immobilized hu-Big-ET-1-his, It's target at 2 µg/mL can bind Regeneron patent anti-Big-ET-1, EC₅₀= 0.01051 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.