Recombinant Protein Technical Manual

Recombinant Human Ephrin-A1/EFNA1 Protein (His Tag)(Active)

RPES2966

Product Data:

Product SKU: RPES2966

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P20827

Protein Information:

Molecular Mass:	20.4 kDa
AP Molecular Mass:	24-28 kDa
Tag:	C-6His
Bio-activity:	Immobilized Human Ephrin-A1-His at 10µg/ml(100 µl/well) can bind Human EphA2-Fc(Cat: PKSH032384). The ED50 of Human Ephrin-A1-His is 12.43ug/ml .
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin:	< 1.0 EU per µg as determined by the LAL method.
Storage:	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping:	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation:	Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	Functional ELISA
Synonyms:	Ephrin-A1; EPH-Related Receptor Tyrosine Kinase Ligand 1; LERK; Immediate Early Response Protein B61; Tumor Necrosis Factor Alpha-Induced Protein 4; TNF Alpha-Induced Protein 4; EFNA1; EPLG1; LERK1; TNFAIP4

Immunogen Information:

Sequence: Asp19-Ser182

Background:

Ephrin-A1 is a member of the A-type ephrin family of cell surface proteins that function as ligands for the A-type Eph receptor tyrosine kinase family. Ephrin-A1 can be induced by TNF and IL1B. Its expression levels can be down-regulated in primary glioma tissues compared to the normal tissues. The soluble monomeric form is expressed in the glioblastoma multiforme (GBM) and breast cancer cells. Soluble Ephrin-A1 is necessary for the transformation of HeLa and SK-BR3 cells and participates in the relocalization of EPHA2 away from sites of cell-cell contact during transformation. Ephrin-A1 plays an important role in angiogenesis and tumor neovascularization.