



Recombinant Protein Technical Manual

Recombinant Human EphB2 Protein (Fc Tag)(Active)

RPES1483

Product Data:

Product SKU: RPES1483

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P29323-3

Protein Information:

Molecular Mass: 78.5 kDa

AP Molecular Mass: 120 kDa

Tag: C-Fc

Bio-activity: Immobilized Human EphB2-Fc at 2µg/ml(100 µl/well) can bind Human EFNB2-His(Cat: PKSH032395).

Purity: > 90 % 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°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C 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 PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: CAPB;DRT;EK5;EPHT3;ERK;Hek5;PCBC;Tyro5;EPHB2;Ephrin type-B receptor 2

Immunogen Information:

Sequence: Val19-Ser482

Background:

Ephrin type-B receptor 2 (EPHB2) belongs to the protein kinase superfamily and Ephrin receptor subfamily. EPHB2 contains 1 Eph LBD domain, 2 fibronectin type-III domains, 1 protein kinase domain and 1 SAM domain. Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family.