

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GFR α -4/GDNF R α -4 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) GFR α -1, recombinant rat GFR α -1, rhGFR α -2, rhGFR α -3, or recombinant mouse GFR α -4 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 215725
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human GFR α -4/GDNF R α -4 Asn24-Ser245 (Ser140Cys)(predicted) Accession # NP_071422
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μ m filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

	Recommended Concentration	Sample
Western Blot	1 μ g/mL	Recombinant Human GFR α -4/GDNF R α -4

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

GFR α -4 is a member of a family of at least four cysteine-rich GPI-linked cell surface proteins that function as ligand binding subunits for the GDNF family (GDNF, neurturin, persephin and artemin). A functional receptor complex is achieved through association with the c-Ret receptor tyrosine kinase. GFR α -4 preferentially binds persephin.