

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse GFR α -like in direct ELISAs.
Source	Monoclonal Rat IgG ₁ Clone # 1045708
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese Hamster Ovary cell line CHO-derived mouse GFR α -like Gln20-Gly349 Accession # Q6SJE0-1
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Immunocytochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

GFR α -like (GDNF receptor- α -like) is a 25 kDa dimer and distant member of the GDNFR family of proteins (1). It is expressed on both fetal and adult hindbrain neurons of the CNS (2), and would appear to function as an anti-apoptotic molecule during neuronal stress. GFR α -like is a functional receptor of GDF15 and implicated in diet-based obesity and insulin resistance through c-Ret signaling (2 - 4). Mature mouse GFR α -like is a 374 amino acid (aa) type I transmembrane protein. It contains a 330 aa extracellular region that shows a Gas1 domain (aa 220-316), and a 23 aa cytoplasmic tail. Over aa 19-353, mouse GFR α -like shares 72% and 71% aa identity with human and rat GFR α -like, respectively.

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