

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse VGF in direct ELISAs.
Source	Monoclonal Mouse IgG ₃ Clone # 619707
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human VGF Thr554-Pro615 Accession # O15240
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.

Immunohistochemistry 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

Neurosecretory protein VGF (VGF) is a 65 kDa secreted protein that is expressed in the brain, where it may be involved in the regulation of cell-cell interactions or in synaptogenesis during maturation of the nervous system. Human VGF is synthesized as a 615 amino acid (aa) precursor that contains a 22 aa signal sequence and a 593 aa mature chain. The region including aa 353-447 is Asp/Glu-rich and thus an acidic region. Human VGF shares 87% aa sequence identity to mouse VGF.

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