

**DESCRIPTION**

<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects human and mouse VGF in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>3</sub> Clone # 619707
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human VGF Thr554-Pro615 Accession # O15240
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	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.

**PRODUCT SPECIFIC NOTICES**

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