

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CGRP in direct ELISA.
Source	Monoclonal Mouse IgG _{2B} Clone # 1057808
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human CGRP synthetic peptide (Tocris Catalog # 3012) Accession # P10092
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
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

Calcitonin gene-related peptide or CGRP is a 37-amino acid neuropeptide formed by alternative splicing of the calcitonin/CGRP gene. CGRP is a member of the calcitonin family of peptides consisting of calcitonin, amylin, adrenomedullin, adrenomedullin 2 (intermedin) and calcitonin-receptor-stimulating peptide. CGRP is produced in both peripheral and central neurons and induces vasodilation of a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role.

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