

Mouse Calcitonin Gene Related Peptide 1 (CGRP1) ELISA Kit-Sandwich

Cat. No.: EK5F426

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Calcitonin Gene Related Peptide 1 (CGRP1) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse CGRP1 in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Mouse Calcitonin Gene Related Peptide 1 (CGRP1).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	15.7-1000 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

CGRP (calcitonin gene-related peptide) serves multiple roles in mice, impacting bone health, cardiovascular regulation, inflammation and immune response, pain modulation, metabolic control, and nervous system function. Mice deficient in α -CGRP exhibit symptoms of reduced bone formation and osteoporosis. Additionally, mice lacking CGRP have significantly elevated basal systolic blood pressure, indicating CGRP's potential compensatory role in long-term blood pressure regulation. The expression of CGRP in the brain and other tissues underpins its diverse physiological functions. For instance, its presence in regions like the brainstem and thalamus is linked to neurotransmission and the processing of sensory information.

Target/Biomarker	Mouse CGRP1
Target Synonym	CALCA; CALC1; CGRP-I; CGRP1; KC; CCP; PDN-21; Katalcalcin; Calcitonin-Related Polypeptide Alpha; Calcitonin carboxyl-terminal peptide; CT; Calcitonin
Gene ID	12310

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.