



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Goat Anti-Rat CALCITONIN GENE-RELATED PEPTIDE

With HRP-conjugated Secondary Antibody

Catalog No.
DS-PB-00338

Species
Rat

Isotype
Polyclonal IgG

Synonyms

CALC

Preparation

Purification: Purified Ig prepared by affinity chromatography on Protein G

Immunogen: Synthetic rat Tyr-CGRP (23-37) conjugated to gamma globulin.

Specificity

DS-PB-00338 recognizes Calcitonin gene-related peptide, also known as CGRP, a neuropeptide that acts as a vasodilator and may play a role in migraine. This antibody reacts with both the whole molecule (amino acids 1-37) and the C-terminal fragment (23-37).

Species Cross Reactivity: Reacts with Mouse

* Antibody reactivity and working conditions may vary between species.

Formulation

Product Type: Polyclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations: IgG concentration 5.0 mg/ml

Storage

Store at +4°C or at -20°C if preferred. This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			1:500-1:2,500
Immunohistology - Frozen		•		
Immunohistology - Paraffin		•		
Immunohistology - Resin		•		
Western Blotting			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5,000-1:10,000

References

1. Collins, J.J. et al (2000) Distribution and origin of secretoneurin-immunoreactive nerves in the female rat uterus. *Neuroscience* 95: 255-264.
2. Pritz, M.B. and Stritzel, M.E. (1988) Thalamic nuclei that project to reptilian telencephalon lack GABA and GAD immunoreactive neurons and puncta. *Brain Res.* 457: 154-159.
3. Pritz, M.B. and Stritzel, M.E. (1989) Reptilian dorsal column nucleus lacks GAD immunoreactive neurons. *Brain Res.* 503: 175-179.
4. Fan, W. et al. (2010) Structural and cellular features in metaphyseal and diaphyseal periosteum of osteoporotic rats. *J Mol Histol.* 41: 51-60.

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