

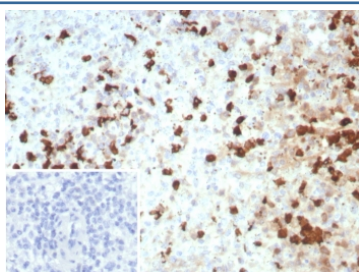
CGRP Antibody / S100A12 [clone S100A12/8952R] (V4741)

Catalog No.	Formulation	Size
V4741-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4741-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4741SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

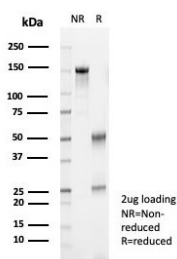
Recombinant **RABBIT MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	S100A12/8952R
Purity	Protein A/G affinity
UniProt	P80511
Localization	Secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This CGRP antibody is available for research use only.



IHC staining of FFPE human spleen tissue with CGRP antibody (clone S100A12/8952R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free S100A12 antibody (clone S100A12/8952R) as confirmation of integrity and purity.

Description

The family of EF-hand type Ca^{2+} -binding proteins includes Calbindin (previously designated vitamin D-dependent Ca^{2+} -binding protein), S-100 Alpha and beta, Calgranulins A (also designated MRP8), B (also designated MRP14) and C (S100A12, CGRP) and the parvalbumin family members, including parvalbumin Alpha and parvalbumin beta (also designated oncomodulin). Calbindin, S-100 proteins and parvalbumin proteins are each expressed in neural tissues. In addition, S-100 Alpha and beta are present in a variety of other tissues, and Calbindin is present in intestine and kidney. Parvalbumin Alpha is also found in fast-contracting/relaxing skeletal muscle fibers and parvalbumin beta is found in many tumor tissues as well as in the organ of Corti. Calbindin, S-100 proteins and parvalbulmins have all been detected in leydig cells and the testis. These proteins are thought to play a role in hormone production and spermatogenesis. Calgranulin is expressed in macrophages and epithelial cells.

Application Notes

Optimal dilution of the CGRP antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-95) from the human protein was used as the immunogen for the CGRP antibody.

Storage

Aliquot the CGRP antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.