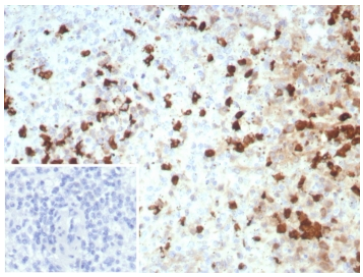
# CGRP Antibody / S100A12 [clone S100A12/8952R] (V4741)

| 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 |

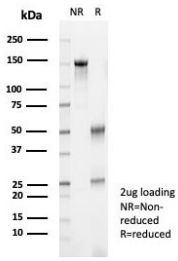
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **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 Ca2+-binding proteins includes Calbindin (previously designated vitamin D-dependent Ca2+-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 -20oC or colder. Avoid repeated freeze-thaw cycles.