

S100A12 / CGRP Antibody

Mouse Monoclonal Antibody [Clone MSVA-812M]

Catalog No	Format	Size
6283-MSM10-P0	Purified Ab with BSA and Azide	20 ug
6283-MSM10-P1	Purified Ab with BSA and Azide	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-812M
Immunogen	Recombinant fragment (around aa1-95) of human S100A12 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	11kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Spleen: A significant number of inflammatory cells should show a strong S100A12 immunostaining while the majority of cells remain completely negative.

**Optimal dilution for a specific application should be determined.*

Product Images for S100A12 / CGRP Antibody



Protein S100-A12

Specificity & Comments

The family of EF-hand type Ca²⁺-binding proteins includes Calbindin (previously designated vitamin D-dependent Ca²⁺-binding protein), S-100 β and γ , Calgranulins A (also designated MRP8), B (also designated MRP14) and C (S-100 like proteins) and the parvalbumin family members, including parvalbumin β and parvalbumin γ (also designated oncomodulin). Calbindin, S-100 proteins and parvalbumin proteins are each expressed in neural tissues. In addition, S-100 β and γ are present in a variety of other tissues, and Calbindin is present in intestine and kidney. Parvalbumin β is also found in fast-contracting/relaxing skeletal muscle fibers and parvalbumin γ is found in many tumor tissues as well as in the organ of Corti. Calbindin, S-100 proteins and parvalbumins 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Immunology, Cytokine Signaling
