

Mouse anti-Human S100A12 Monoclonal Antibody | anti-S100A12 antibody

S100A12, Human, mAb 203

CATALOG # AAA77818	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot
------------------------------	----------------------	----------------------------	-------------------------------------

PRODUCT SYNONYMS

S100A12; Monoclonal Antibody; Human; mAb 203; Protein S100-A12; CGRP; Calcium-binding protein in amniotic fluid 1; CAAF1; Calgranulin-C; CAGC; Extracellular newly identified RAGE-binding protein; EN-RAGE; Migration inhibitory factor-related protein 6; MRP-6; p6; Neutrophil S100 protein; S100 calcium-binding protein A12; Gene name: S100A12; anti-S100A12 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Number	203
Form/Format	Quantities >500 ug will be send without preservative and carrier free. Quantities <500 ug will be send with preservative and carrier. exact formulation can be found on the datasheet.
Applicable Applications for anti-S100A12 antibody	WB (Western Blot), IA (Immunoassay)
Immunogen	Recombinant S100A12
Preparation and Storage	Product should be stored at 4 degree C. Under recommended storage conditions, product is stable for at least one year.

ADDITIONAL INFORMATION

Related Product Information for anti-S100A12 antibody	The monoclonal antibody clone 203 recognizes S100 calcium-binding protein A12 (S100A12). The antibody does not cross-react with family members S100A7, S100A8 and S100A9 and S100A8/A9 heterodimers. S100A12, also known as calgranulin C, is a member of the S100 protein family. To date, the family consists of 22 members. S100 proteins are low molecular weight calcium binding proteins. The proteins consist of 2 calcium binding EF-hands located on the termini flanked by hydrophobic hinge regions. Calcium ions acts as a global second messenger involved in the regulation of many aspects of cell function. S100 proteins are involved in sensing and transforming calcium signals to downstream cellular responses. S100 proteins are located in the cytoplasm and/or nucleus of a wide range of cell types and involved in the regulation of cellular processes such as cell cycle progression and differentiation and inflammatory responses. Several S100 members have been found to act as cytokines in inflammation, particularly in autoimmune skin conditions such as psoriasis. S100A12 is involved in calcium-dependent signal transduction pathways and has regulatory effects on cytoskeletal components thereby modulating neutrophil activities. Studies have shown that S100A12 might have potential as a biomarker for arthritis since their levels correlate with disease activity and are able to predict relapse and response to anti-inflammatory therapy. Unfortunately, studying the biology of S100A12 and other calgranulins is challenging due to its tendency to form complex homodimer, heterodimer and heterotetramers structures.
Product Categories/Family for anti-S100A12 antibody	Monoclonal antibodies

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

