

S100A12/CGRP Rabbit mAb

Catalog No.: A23912 **Recombinant**

Basic Information

Observed MW

11kDa (Full-length protein)

Calculated MW

10kDa

Category

Primary antibody

Applications

WB, IF/ICC, ELISA

Cross-Reactivity

Human

CloneNo number

ARC61785

Background

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein is proposed to be involved in specific calcium-dependent signal transduction pathways and its regulatory effect on cytoskeletal components may modulate various neutrophil activities. The protein includes an antimicrobial peptide which has antibacterial activity.

Recommended Dilutions

WB 1:1000 - 1:6000

IF/ICC 1:200-1:800

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

6283

Swiss Prot

P80511

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

p6; CAGC; CGRP; MRP6; CAAF1; MRP-6; ENRAGE; S100A12/CGRP

Contact

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Product Information

Source

Rabbit

Isotype

IgG

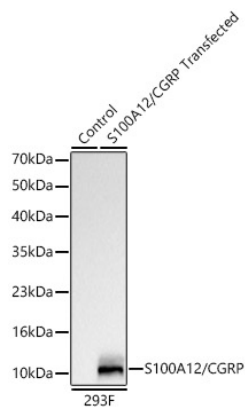
Purification

Affinity purification

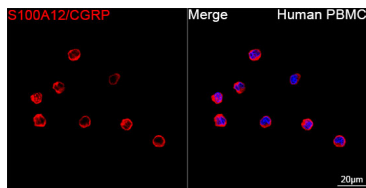
Storage

Store at -20°C

Validation Data



Western blot analysis of lysates from wild type (WT) and 293F cells transfected with S100A12/CGRP, using S100A12/CGRP Rabbit mAb (A23912) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.



Confocal imaging of Human PBMC cells using S100A12/CGRP Rabbit mAb (A23912, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.