

## S100 钙结合蛋白 A12 抗体

产品货号： mlR17582

英文名称： S100A12

中文名称： S100 钙结合蛋白 A12 抗体

别 名： CAAF1; CAGC; Calcitermin; Calcium binding protein in amniotic fluid; Calcium-binding protein in amniotic fluid 1; Calgranulin C; Calgranulin related protein; Calgranulin-C; CGRP; EN RAGE; EN-RAGE; ENRAGE; Extracellular newly identified RAGE-binding protein; MRP6; Neutrophil S100 protein; p6; Protein S100 A12; S100 calcium binding protein A12; S100 calcium-binding protein A12; S100A12; S10AC\_HUMAN.

研究领域： 细胞生物 信号转导 细胞周期蛋白 转运蛋白 细胞分化 细胞骨架

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 10kDa

细胞定位： 细胞膜 细胞外基质 分泌型蛋白

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human S100A12:2-60/92

亚型： IgG

纯化方法： affinity purified by Protein A

储存液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

**PubMed :** PubMed

**产品介绍 :** 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. [provided by RefSeq, Jul 2008]

**Function:**

Calcitermin possesses antifungal activity against *C.albicans* and is also active against *E.coli* and *P.aeruginosa* but not *L.monocytogenes* and *S.aureus*. Binds calcium, zinc and copper. Presence of zinc increases the affinity for calcium. Plays an important role in the inflammatory response. Interaction with AGER on endothelium, mononuclear phagocytes, and lymphocytes triggers cellular activation, with generation of key proinflammatory mediators.

**Subunit:**

Homodimer. Homooligomer (tetramer or hexamer) in the presence of calcium, zinc and copper ions. Interacts with AGER and both calcium and zinc are essential for the interaction. Interacts with CACYBP in a calcium-dependent manner.

**Subcellular Location:**

Secreted. Cytoplasm. Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein. Note=Predominantly localized in the cytoplasm. Upon elevation of the intracellular calcium level, translocated from the cytoplasm to the cytoskeleton and the cell membrane. Upon neutrophil activation is secreted via a microtubule-mediated, alternative pathway.

**Tissue Specificity:**

Monocytes and lymphocytes.

**Similarity:**

Belongs to the S-101 family.

Contains 2 EF-hand domains.

**SWISS:**

P80511

**Gene ID:**

6283

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.