

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 10-4113: Monoclonal Antibody to S100A8, human (Clone: ABM41E4)

Clonality: Monoclonal **Clone Name:** ABM41E4 Application: WB Reactivity: Human Gene: S100A8 Gene ID: 6279 **Uniprot ID:** P05109 **Purified** Format:

Alternative Name: S100A8,CAGA,CFAG,MRP8
Isotype: Mouse IgG2b Kappa

**Immunogen Information:** A full length human S100A8 protein was used as the immunogen for this antibody.

## **Description**

S100A8 is a low molecular weight (10 kDa) secreted cytoplasmic protein belonging to S100 family of calcium- and zinc-binding protein. S100A8 regulates a number of cellular processes, such as, inflammation, antimicrobial, oxidant-scavenging and apoptosis-inducing activities, cell cycle progression and differentiation, leukocyte arachidonic acid trafficking and metabolism. S100A8 is a homodimer but predominantly remains as heterodimer with S100A9 and the S100A8/S100A9 complex is called as Calprotectin. S100A8 is generally expressed in myeloid cells, neutrophils, monocytes and keratinocytes but high levels are found in the serum sample of patients with inflammatory diseases, such as, rheumatoid, cystic fibrosis, inflammatory bowel disease, systemic lupus erythematosus, progressive systemic sclerosis and many other inflammatory diseases. S100A8 is also associated with Psoriasis (an inflammatory skin disorder characterized by keratinocyte hyperproliferation and altered differentiation).

## **Product Info**

**Amount:** 25 μg / 100 μg

**Purification:** Protein G Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

**Storage condition :** Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western blot analysis: 2-4 µg/ml



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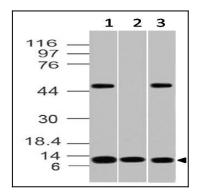


Fig-1: Western blot analysis of S100A8. Anti-S100A8 antibody (Clone: ABM41E4) was tested at 2  $\mu$ g/ml on (1) human lungs, (2) THP-1 and (3) human heart lysates.