

PRODUCT DATA SHEET

S100A8 Human, Sheep Polyclonal Antibody

Cat. No.: RD184217100

Size: 0.1 mg

Source of Antigen: E. coli

Type: Polyclonal Antibody

Host: Sheep

Isotype: IgG

Other Names:

S100 calcium-binding protein A8, Calgranulin-A, Migration inhibitory factor-related protein 8, MRP-8, p8, Cystic fibrosis antigen, CFAG, Leukocyte L1 complex light chain, Calprotectin L1L subunit, Urinary stone protein band A, S100A8, CAGA, CFAG, MRP8

Preparation:

The antibody was raised in sheep by immunization with the recombinant Human S100A8.

Amino Acid Sequence of Immunogen:

Recombinant Human S100A8, total 103 AA. MW: 12.08 kDa (calculated). UniProtKB acc.no. P05109. N-Terminal His-tag, 10 extra AA (highlighted).

MKHHHHHHAS MLTELEKALN SIIDVYHKYS LIKGNFHAVY RDDLKLLLET ECPQYIRKKG
ADVWFKELDI NTDGAVNFQE FLILVIKMGV AAHKKSHEES HKE

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human S100A8.

Species Reactivity:

Human. Not yet tested in other species.

Antibody Content:

0.1 mg (determined by BCA method, BSA was used as a standard)

Formulation:

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2. ****AZIDE FREE****.

Reconstitution:

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

The lyophilized antibody remains stable and fully active until the expiry date when stored at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C . Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C .

Quality Control:

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

Applications:

Immunohistochemistry, Western blotting

Note:

This product is for research use only.