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PRODUCT DATA SHEET

S100A12 Human, Sheep Polyclonal Antibody

Cat. No.: RD184221100
Source of Antigen: E. coli
Host: Sheep

Size: 0.1 mg
Type: Polyclonal Antibody

Other Names:
S100 calcium-binding protein A12, Calgranulin-C, CAGC, Neutrophil S100 protein, Calcium-binding protein in amniotic fluid 1, CAAF1, p6, Extracellular newly identified, RAGE-binding protein, EN-RAGE

Preparation:
The antibody was raised in sheep by immunization with the recombinant Human S100A12.

Amino Acid Sequence of Immunogen:
Total 101 AA. MW: 11.63 kDa (calculated). UniProtKB acc.no. P80511. N-Terminal His-tag, 10 extra AA.

MKHHHHHHAS TKLEEHLEGI VNIFHQYSVR KGHFDTLSKG ELKQLLTKEL ANTIKNIKDK
AVIDEIFQGL DANQDEQVDF QEFISLVAIA LKAAHYHTHK E

Purification Method:
Immunoaffinity chromatography on a column with immobilized recombinant Human S100A12.

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.

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:
ELISA, Immunohistochemistry, Western blotting

Note:
This product is for research use only.