

PRODUCT DATA SHEET

Soluble Receptor for Advanced Glycation End Products (sRAGE) Human, Sheep Polyclonal Antibody

Cat. No.: RD184116100

Size: 0.1 mg

Source of Antigen: E. coli

Type: Polyclonal Antibody

Host: Sheep

Other Names:

Soluble Receptor for Advanced Glycation End Products, sRAGE, Advanced glycation end product-specific receptor, AGER, RAGE

Preparation:

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

Amino Acid Sequence of Immunogen:

The immunization antigen (36.5 kDa) is a protein containing 325 AA of recombinant Human sRAGE and 14 extra AA, N-terminal His-tag (highlighted).

MRGSHHHHHH GMASAQNITA RIGEPLVLKC KGAPKKPPQR LEWKLNTGRT
EAWKVLSPQG GGPWDSVARV LPNGSLFLPA VGIQDEGIFR CQAMNRNGKE
TKSNYRVRVY QIPGKPEIVD SASELTAGVP NKVGTCVSEG SYPAGTLSWH LDGKPLVPNE
KGVSVKEQTR RHPETGLFTL QSELMVTPAR GGDPRPTFSC SFSPGLPRHR ALRTAPIQPR
VWEPVPLEEV QLVVEPEGGA VAPGGTVTLT CEVPAQPSPQ IHWMKDGVPPL PLPPSPVLIL
PEIGPQDQGT YSCVATHSSH GPQESRAVSI SIIEPGEEGP TAGEGFDKVR EAEDSPQHM

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human sRAGE.

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:

ELISA, Western blotting

Note:

This product is for research use only.