

PRODUCT DATA SHEET

Regucalcin Human, Sheep Polyclonal Antibody

Cat. No.: RD184257100**Size:** 0.1 mg**Source of Antigen:** E. coli**Type:** Polyclonal Antibody**Host:** Sheep**Other Names:**

RC, Gluconolactonase, GNL, EC=3.1.1.17, Senescence marker protein 30, SMP-30, RGN

Preparation:

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

Amino Acid Sequence of Immunogen:

The immunization antigen (34.49 kDa) is a protein containing 309 AA of recombinant Human Regucalcin. UniProtKB acc.no. Q15493. N-terminal His-tag, 10 extra AA.

MKHHHHHHAS MSSIKIECVL PENCRCGESP VWEEVSNSLL FVDIPAKKVC RWDSFTKQVQ
RVTMDAPVSS VALRQSGGYV ATIGTKFCAL NWKEQSAVVL ATVDNDKKNR RFNDGKVDPA
GRYFAGTMAE ETAPAVLERH QGALYSLFPD HHVKKYFDQV DISNGLDWSL DHKIFYIDS
LSYSVDAFDY DLQTGQISNR RSVYKLEKEE QIPDGMCIDA EGKLWVACYN GGRVIRLDPV
TGKRLQTVKL PVDKTTSCCF GGKNYSEMYV TCARDGMDPE GLLRQPEAGG IFKITGLGVK
GIAPYSYAG

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human Regucalcin.

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

Note:

This product is for research use only.