

## PRODUCT DATA SHEET

### Leucine-Rich Alpha-2-Glycoprotein Human, Sheep Polyclonal Antibody

**Cat. No.:** RD184183100**Size:** 0.1 mg**Source of Antigen:** Human pooled serum**Type:** Polyclonal Antibody**Host:** Sheep**Other Names:**

LRG

**Preparation:**

The antibody was raised in sheep by immunization with the native Human LRG.

**Amino Acid Sequence of Immunogen:**

Native protein isolated from pooled human serum, 312 AA. MW: 34.35 kDa (calculated without glycosylation). Protein identity confirmed by LC-MS/MS (NCBI no. gi|16418467).

VTLSPKDCQV FRSDHGSSIS CQPPAEIPGY LPADTVHLAV EFFNLTHLPA NLLQGASKLQ  
ELHLSSNGLE SLSPEFLRPV PQLRVLDLTR NALTGLPPGL FQASATLDTL VLKENQLEVL  
EVSWLHGLKA LGHLDLSG NR LRKLP PGLLA NFTLLR TLDL GENQLETLPP DLLRGPLQLE  
RLHLEGNKLQ VLGKDLLLPQ PDLRYLFLNG NKLARVAAGA FQGLRQLDML DLSNNSLASV  
PEGLWASLGQ PNWDMRDGFD ISGNPWICDQ NLSDL YRWLQ AQKDKMFSQN DTRCAGPEAV  
KGQTLLAVAK SQ

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized native Human LRG.

**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:**

Immunohistochemistry, Western blotting

**Note:**

This product is for research use only.