

## PRODUCT DATA SHEET

### Pigment Epithelium-Derived Factor Human, Sheep Polyclonal Antibody

**Cat. No.:** RD184114100

**Size:** 0.1 mg

**Source of Antigen:** E. coli

**Type:** Polyclonal Antibody

**Host:** Sheep

**Other Names:**

Pigment Epithelium-Derived Factor, Serpin F1, EPC-1, Cell proliferation-inducing gene 35 protein, PIG35

**Preparation:**

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

**Amino Acid Sequence of Immunogen:**

The immunization antigen (46.1 kDa) is a protein containing 413 AA of recombinant Human PEDF. N-Terminal His-tag 14 AA The (highlighted).

MRGSHHHHHH GMASQNPASP PEEGSPDPDS TGALVEEEDP FFKVPVNKLA  
AAVSNFGYDL YRVRSSMSPT TNVLLSPLSV ATALSALSLG AEQRTEIIH RALYYDLISS  
PDIHGTYKEL LDTVTRQKN LKSASRIVFE KKLRIKSSFV APLEKSYGTR PRVLTGNPRL  
DLQEINNWWQ AQMKGKLARS TKEIPDEISI LLLGVAHFKE QWVTKFDSRK TSLEDFYLDE  
ERTVRVPMMS DPKAVLRYGL DSDLCKIAQ LPLTGSMSSII FFLPLKVTQN LTLIEESLTS  
EFIHDIDREL KTVQAVLTVP KLKLSYEDEV TKSLQEMKLQ SLFDSPDFSK ITGKPIKLTQ  
VEHRAGFEWN EDGAGTTPSP GLQPAHLTFP LDYHLNQPFI FVLRDTRDTGA  
LLFIGKILDV RGP

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized recombinant Human PEDF.

**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  $-20^{\circ}\text{C}$ . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at  $-80^{\circ}\text{C}$ . Reconstituted antibody can be stored at  $4^{\circ}\text{C}$  for a limited period of time; it does not show decline in activity after one week at  $4^{\circ}\text{C}$ .

**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.