

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.

MRGSHHHHHH GMASQNPASP PEEGSPDPDS TGALVEEEDP FFKVPVNKLA AAVSNFGYDL
YRVRSSMSPT TNVLLSPLSV ATALSALSLG AEQRTESIIH RALYYDLISS PDIHGTYKEL
LDTVTARQKN LKSASRIVFE KKLRIKSSFV APLEKSYGTR PRVLTGNPRL DLQEINN WVQ
AQMKGKLARS TKEIPDEISI LLLGVAHFKG QWVTKFDSRK TSLEDFYLDE ERTVRVPMMS
DPKAVLRYGL DSDLCKIAQ LPLTGSM SII FFLPLKVTQN LTLIEESLTS EFIHDIDREL
KTVQAVLTVP KLKLSYEGEV TKSLQEMKLQ SLFDSPDFSK ITGKPIKLTQ VEHRAGFEWN
EDGAGTTPSP GLQPAHLTFP LDYHLNQPFI FVLRD TDTGA LLFIGKILD P 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.

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.