

PRODUCT DATA SHEET

Osteoblast Specific Factor 2 Human, Sheep Polyclonal Antibody

Cat. No.: RD184045100**Size:** 0.1 mg**Source of Antigen:** E. coli**Type:** Polyclonal Antibody**Host:** Sheep**Other Names:**

Periostin, PN, OSF-2, POSTN, Fasciclin-I like, Osteoblast Specific Factor 2 (Pleiotrophin, PTN, Heparin-binding growth-associated molecule, HB-GAM, Heparin-binding growth factor 8, HBGF-8, OSF-2, Heparin-binding neurite outgrowth-promoting factor 2, HBNF-2, Heparin-binding brain mitogen, HBBM), NCK

Preparation:

The antibody was raised in sheep by immunization with the recombinant Human OSF-2.

Amino Acid Sequence of Immunogen:

The immunization antigen (75 kDa) is a protein containing 648 AA of recombinant Human OSF-2 and 23 AA, N-Terminal HisTag and Xa – cleavage site. The antigen contains amino acid residues 22 to 669 of the human OSF-2 precursor. The antigen includes all four fasciclin domains of OSF-2.

MGHHHHHHHHH HHSSGHIEGR HMRNNHYDKI LAHSRIRGRD QGPNVCALQQ ILGTKKKYFS
TCKNWKYSI CGQKTTVLYE CCPGYMRMEG MKGCPAVLPI DHVYGTGLGIV GATTTQRYSD
ASKLREEIEG KGSFTYFAPS NEAWDNLSD IRRGLESNVN VELLNALHSH MINKRMLTKD
LKNMIIPSM YNNLGLFINH YPNGVVTVNC ARIIHGNQIA TNGVVHVIDR VLTQIGTSIQ
DFIEAEDDLS SFRAAAITSD ILEALGRDGH FTLFAPTNEA FEKLPRGVLE RFMGDKVASE
ALMKYHILNT LQCSESIMGG AVFETLEGNT IEIGCDGDSI TVNGIKMVNK KDIVTNNNGVI
HLIDQVLIPD SAKQVIELAG KQQTTFDLDV AQLGLASALR PDGEYTLAP VNNAFSDDTL
SMVQRLLKLI LQNHILKVKV GLNELYNGQI LETIGGKQLR VFVYRTAVCI ENSCMEKGSK
QGRNGAIHIF REIHKPAEKS LHEKLRQDKR FSTFSLLEA ADLKELLTQP GDWTLFVPTN
DAFKGMTSEE KEILIRDKNA LQNIILYHLT PGVFIGKGF PGVTNILKTT QGSKIFLKEV
NDTLVNELK SKESDIMTTN GVIHVVDKLL YPADTPVGND QLEILNKLI KYIQIKFVRG
STFKEIPVTV Y

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human OSF-2.

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.