

## PRODUCT DATA SHEET

### CXCL12 Human, Sheep Polyclonal Antibody

**Cat. No.:** RD184175100

**Size:** 0.1 mg

**Source of Antigen:** E. coli

**Type:** Polyclonal Antibody

**Host:** Sheep

**Other Names:**

(SDF-1alpha) Stromal cell-derived factor 1, SDF-1a, C-X-C motif chemokine 12, Pre-B cell growth-stimulating factor, PBSF, hIRH, CXCL12 (isoform alpha)

**Preparation:**

The antibody was raised in sheep by immunization with the recombinant Human CXCL12 (isoform alpha).

**Amino Acid Sequence of Immunogen:**

Total 78 AA. MW: 9.2 kDa (calculated). N-terminal His-tag, 10 extra AA (highlighted).

MKHHHHHHAS KPVLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC  
IDPKLKWIQE YLEKALNK

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized recombinant Human CXCL12 (isoform alpha).

**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:**

Western blotting

**Note:**

This product is for research use only.