

## PRODUCT DATA SHEET

### Cystatin C Canine, Sheep Polyclonal Antibody

**Cat. No.:** RD484009100

**Size:** 0.1 mg

**Source of Antigen:** E. coli

**Type:** Polyclonal Antibody

**Host:** Sheep

**Isotype:** IgG

**Other Names:**

Post G-globulin, Cystatin-3, Neuroendocrine basic polypeptide, Gamma-trace, Post-gamma-globulin, CST3

**Preparation:**

The antibody was raised in sheep by immunization with the recombinant Canine Cystatin C.

**Amino Acid Sequence of Immunogen:**

Recombinant Canine Cystatin C, total 133 AA. MW: 14.85 kDa (calculated). N-Terminal His-tag, 8 extra AA (highlighted).

MKHHHHHHAS PGAGRRGSRP GAVGGAVDAD VGEEGVQQAL DFAVREYNRA  
SNDAYHSRAL RVLARKQVV SGMNYFLEVE IGRTRCTKSQ PNLNCPFHD  
QPHLMRKTLC SFQIYTPWL GKTSLVKSSC QDV

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized recombinant Canine Cystatin C.

**Species Reactivity:**

Canine. 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, Immunohistochemistry, Western blotting

**Note:**

This product is for research use only.