

PRODUCT DATA SHEET

Procalcitonin Canine, Sheep Polyclonal Antibody

Cat. No.: RD484488100

Size: 0.1 mg

Source of Antigen: E. coli

Type: Polyclonal Antibody

Host: Sheep

Isotype: IgG

Other Names:

PCT

Preparation:

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

Amino Acid Sequence of Immunogen:

Total 115 AA. MW: 12.7 kDa (calculated). UniProtKB acc.no. P41547 (Ala26-Arg130).
N-terminal His-tag 10 extra AA (highlighted).

MKHHHHHHAS APFRSALEGL PDPTALSEKE GRLLLAALVK AYWQRKNELE
QEQQETEGS SLDSSRAKRC SNLSTCVLGT YSKDLNNFHT FSGIGFGAET PGKKRDIASG
LERGR

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Canine Procalcitonin.

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°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

Note:

This product is for research use only.