

## PRODUCT DATA SHEET

### Paraoxonase 1 Human, Sheep Polyclonal Antibody

**Cat. No.:** RD184279100

**Source of Antigen:** E. coli

**Host:** Sheep

**Size:** 0.1 mg

**Type:** Polyclonal Antibody

**Other Names:**

Arylesterase 1, PON 1, Aromatic Esterase 1, A-Esterase 1, K-45, Serum  
Aryldialkylphosphatase 1

**Preparation:**

The antibody was raised in sheep by immunization with the recombinant Human Paraoxonase 1.

**Amino Acid Sequence of Immunogen:**

The immunization antigen (40.68 kDa, calculated) is a protein containing 355 AA of recombinant Human Paraoxonase 1. UniProtKB acc.no. P27169 (Met1-Leu355). C-terminal His-tag (7 extra AA)..

MAKLIALTLL GMGLALFRNH QSSYQTRLNA LREVQPVELP NCNLVKGIET GSEDLEILPN  
GLAFISSGLK YPGIKSFNPN SPGKILLMDL NEEDPTVLEL GITGSKFDVS SFNPHGISTF  
TDEDNAMYLL VVNHPDAKST VELFKFQEEE KSLHLKTIR HKLLPNLNDI VAVGPEHFYG  
TNDHYFLDPY LQSWEMYLGL AWSYVVYSP SEVRVVAEGF DFANGINISP DGKYVYIAEL  
LAHKIHVYEK HANWTLTPLK SLDFNTLVDN ISVDPETGDL WVGCHPNGMK IFFYDSENPP  
ASEVLRIQNI LTEEPKVTQV YAENGTVLQG STVASVYK GK L LIGTVFHKA LYCELEHHHH HH

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized recombinant Human Paraoxonase 1.

**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.