

## PRODUCT DATA SHEET

### Clusterin Canine, Sheep Polyclonal Antibody

**Cat. No.:** RD484034100**Size:** 0.1 mg**Source of Antigen:** E. coli**Type:** Polyclonal Antibody**Host:** Sheep**Isotype:** IgG**Other Names:**

Apolipoprotein J, Apo J, Aging-associated gene 4 protein, AAG4, Complement cytolysis inhibitor, CLI, Complement-associated protein SP-40,40, Ku70-binding protein 1, NA1/NA2, Sulfated glycoprotein 2, SGP-2, Testosterone-repressed prostate message 2, TRPM-2

**Preparation:**

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

**Amino Acid Sequence of Immunogen:**

Recombinant Canine Clusterin, total 433 AA. MW: 50.6 kDa (calculated). N-terminal His-tag, 10 extra AA. The AA sequence is identical to UniProtKB/Swiss-Prot entry P25473 (AA23–445).

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MKHHHHHHAS DQAVSDETELQ EMSTEGSKYI NKEIKNALKG VKQIKTLIEQ TNEERKSLLS  
NLEEAKKKKE DALNDTKDSE TKLKASQGVC NDTMMALWEE CKPCLKQTCM KFYARVCRSG  
SGLVGHQLEE FLNQSSPFYF WMNGDRIDSL LENDRQQTHA LDVMQDSFNR ASSIMDELFQ  
DRFFTREPQD TYHYSFSLF QRRPFFNPKF RIARNIIPFP RFQPLNFHDM FQPFDMIHQ  
AQQAMDVNLH RIPYHFPIEF PEEDNRTVCK EIRHNSTGCL KMKDQCEKCQ EILSVDCSSN  
NPAQVQLRQE LSNSLQIAEK FTKLYDELLO SYQEKMFNTS SLLKQLNEQF SWVSQLANLT  
QSEDPFYLQV TTVGSQTSDS NVPVGF TKVV VKLFDSDPIT VMIPEAVSRN NPKFMETVAE  
KALQEYRQKH REE
```

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized recombinant Canine Clusterin.

**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.

**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, Immunohistochemistry, Western blotting

**Note:**

This product is for research use only.