

PRODUCT DATA SHEET

Procathepsin K Human, Mouse Monoclonal Antibody, Clone: 4B9

Cat. No.: RD1820741004B9**Size:** 0.1 mg**Source of Antigen:** E. coli**Type:** Monoclonal Antibody**Host:** Mouse**Isotype:** IgG2b**Other Names:****Preparation:**

The antibody is a mouse monoclonal antibody against recombinant Human Procathepsin K.

Amino Acid Sequence of Immunogen:

The immunization antigen (36.7 kDa) is a protein containing 314 amino acid residues of recombinant Human Procathepsin K and 12 additional amino acid residues – HisTag. The recombinant Human Procathepsin K is without signal peptid (15 amino acid residues).

MRGSHHHHHH GSLYPEEILD THWELWKKTH RKQYNNKVDE ISRRLIWEKN LKYISIHNLE
ASLGVHTYEL AMNHLGDMTS EEVVQKMTGL KVPLSHSRSN DTLYIPEWEG RAPDSVDYRK
KGYVTPVKNQ GQCGSCWAFS SVGALEGQLK KKTGKLLNLS PQNLVDCVSE NDGCGGGYMT
NAFQYVQKNR GIDSEDAYPY VGOEESCMYN PTGKAAKCRG YREIPEGNEK ALKRAVARVG
PVSVAIDASL TSFQFYSGV YYDESCNSDN LNHAVLAVGY GIQKGNKHWI IKNSWGENWG
NKGYILMARN KNNACGIANL ASFPKM

Purification Method:

Immunoaffinity chromatography on a column with immobilized protein G.

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:

Western blotting

Note:

This product is for research use only.