

PRODUCT DATA SHEET

Myostatin Propeptide Human, Mouse Monoclonal Antibody, Clone: 4B9

Cat. No.: RD1820571004B9

Size: 0.1 mg

Source of Antigen: E. coli

Type: Monoclonal Antibody

Host: Mouse

Isotype: IgG2b

Other Names:

Growth/differentiation factor 8, GDF-8, MSTN

Preparation:

The antibody is a mouse monoclonal antibody against recombinant Human Myostatin Propeptide.

Amino Acid Sequence of Immunogen:

The immunization antigen (28 kDa) is a protein containing 243 AA of recombinant Human Myostatin Propeptide and 5 extra AA.

MGNENSEQKE NVEKEGLCNA CTWRQNTKSS RIEAIKIQIL SKLRLETAPN ISKDVIRQLL
PKAPPLRELI DQYDVQRDDS SDGSLEDDDY HATTETIITM PTESDFLMQV DGKPKCCFFK
FSSKIQYNKV VKAQLWIYLR PVETPTTVFV QILRLIKPMK DGTRYTGIRS LKLDMNPGTG
IWQSIDVKTV LQNWLKQPES NLGIEIKALD ENGHDLAVTF PGPGEDGLNP FLEVKVTDTP
KRSRRKLN

The amino acid sequence of the recombinant Human Myostatin Propeptide is 100% homologous with the amino acid sequence of the Human Myostatin Propeptide without signaling sequence

Purification Method:

Affinity 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:

Immunohistochemistry, Western blotting

Note:

This product is for research use only.