

PRODUCT DATA SHEET

NT-proANP Human, Sheep Polyclonal Antibody

Cat. No.: RD184485100

Size: 0.1 mg

Source of Antigen: E. coli

Type: Polyclonal Antibody

Host: Sheep

Isotype: IgG

Other Names:

N-terminal proatrial natriuretic peptide

Preparation:

The antibody was raised in sheep by immunization with the recombinant Human NT-proANP.

Amino Acid Sequence of Immunogen:

Recombinant Human NT-proANP, total 106 AA. MW: 11.7 kDa (calculated). UniProtKB acc. No. P01160 (Asn26–Arg123). N-terminal His-tag, 8 extra AA (highlighted).

MKHHHHHHNP MYNAVSNADL MDFKNLLDHL EEKMPLEDEV VPPQVLSEPN
EEAGAALSPL PEVPPWTGEV SPAQRDGGAL GRGPWDSSDR SALLKSKLRA LLTAPR

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human NT-proANP.

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. ****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.