

PRODUCT DATA SHEET

sPLA2-IB Human, Rabbit Polyclonal Antibody

Cat. No.: RD181054100

Size: 0.1 mg

Source of Antigen: E. coli

Type: Polyclonal Antibody

Host: Rabbit

Other Names:

Group IB phospholipase A2, Phosphatidylcholine 2-acylhydrolase 1B, PLA2G1B, PLA2, PLA2A, PPLA2

Preparation:

The antibody was raised in rabbits by immunization with the recombinant Human sPLA2-IB.

Amino Acid Sequence of Immunogen:

The immunization antigen (16 kDa) is a protein containing 142 AA of recombinant Human sPLA2-IB. N-Terminal His-tag, 16 extra AA (highlighted).

MRGSHHHHHH GMASHMAVWQ FRKMIKCVIP GSDPFLEYNN YGCYCGLGGS
GTPVDELDKC CQTHDNCYDQ AKKLDSCFKL LDNPYHTHTYS YSCSGSAITC SSKNKECEAF
ICNCDRNAAI CFSKAPYNKA HKNLDTKKYC QS

The amino acid sequence of the recombinant Human Secreted Phospholipase A2-IB is 100% homologous to the amino acid sequence of the Human Secreted Phospholipase A2-IB without signal sequence and activation peptide

Purification Method:

Immunoaffinity chromatography on a column with immobilized recombinant Human sPLA2-IB.

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:

Western blotting

Note:

This product is for research use only.