

## PRODUCT DATA SHEET

### sPLA2-IID Human, Rabbit Polyclonal Antibody

**Cat. No.:** RD181067100

**Size:** 0.1 mg

**Source of Antigen:** E. coli

**Type:** Polyclonal Antibody

**Host:** Rabbit

#### Other Names:

Group IID secretory phospholipase A2, GIID sPLA2, PLA2IID, Phosphatidylcholine 2-acylhydrolase 2D, Secretory-type PLA, stroma-associated homolog, PLA2G2D, SPLASH

#### Preparation:

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

#### Amino Acid Sequence of Immunogen:

The immunization antigen (16.4 kDa) is a protein containing 141 AA of recombinant Human sPLA2-IID. N-Terminal His-tag, 16 extra AA (highlighted).

MRGSHHHHHH GMASHMGILN LNKMKVQVTG KMPILSYWPY GCHCGLGGRG  
QPKDATDWCC QTHDCCYDHL KTQGCGIYKD YYRYNFSQGN IHCSDKGSWC  
EQQLCACDKE VAFCLKRNL TYQKRLRFYW RPHCRGQTPG C

The amino acid sequence of the recombinant Human Secreted Phospholipase A2-IID is 100% homologous to the amino acid sequence of the Human Secreted Phospholipase A2-IID without signal sequence

#### Purification Method:

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

#### 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 0.05 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  $-20^{\circ}\text{C}$ . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at  $-80^{\circ}\text{C}$ . Reconstituted antibody can be stored at  $4^{\circ}\text{C}$  for a limited period of time; it does not show decline in activity after one week at  $4^{\circ}\text{C}$ .

**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.