



[Go to Product page](#)

Datasheet for ABIN7168740
anti-PLA2R1 antibody (AA 395-530) (Biotin)

Overview

Quantity:	100 µg
Target:	PLA2R1
Binding Specificity:	AA 395-530
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLA2R1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Secretory phospholipase A2 receptor protein (395-530AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PLA2R1
Alternative Name:	PLA2R1 (PLA2R1 Products)
Background:	Background: Receptor for secretory phospholipase A2 (sPLA2). Acts as a receptor for phospholipase sPLA2-IB/PLA2G1B but not sPLA2-IIA/PLA2G2A. Also able to bind to snake PA2-

Target Details

like toxins. Although its precise function remains unclear, binding of sPLA2 to its receptor participates in both positive and negative regulation of sPLA2 functions as well as clearance of sPLA2. Binding of sPLA2-IB/PLA2G1B induces various effects depending on the cell type, such as activation of the mitogen-activated protein kinase (MAPK) cascade to induce cell proliferation, the production of lipid mediators, selective release of arachidonic acid in bone marrow-derived mast cells. In neutrophils, binding of sPLA2-IB/PLA2G1B can activate p38 MAPK to stimulate elastase release and cell adhesion. May be involved in responses in proinflammatory cytokine productions during endotoxic shock. Also has endocytic properties and rapidly internalizes sPLA2 ligands, which is particularly important for the clearance of extracellular sPLA2s to protect their potent enzymatic activities. The soluble secretory phospholipase A2 receptor form is circulating and acts as a negative regulator of sPLA2 functions by blocking the biological functions of sPLA2-IB/PLA2G1B.

Aliases: 180 kDa secretory phospholipase A2 receptor antibody, C-type lectin domain family 13 member C antibody, CLEC13C antibody, M type receptor antibody, M-type receptor antibody, Phospholipase A2 receptor 1 antibody, PLA2 R antibody, PLA2-R antibody, PLA2G1R antibody, PLA2IR antibody, PLA2R antibody, PLA2R_HUMAN antibody, PLA2R1 antibody, Soluble PLA2-R antibody, Soluble PLA2R antibody, Soluble secretory phospholipase A2 receptor antibody

UniProt: [Q13018](#)

Pathways: [Positive Regulation of Response to DNA Damage Stimulus](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.