

For Research Use Only

PLCZ1 Recombinant antibody, PBS Only



Catalog Number: 83090-1-PBS

Basic Information

Catalog Number: 83090-1-PBS	GenBank Accession Number: BC125067	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 89869	CloneNo.: 230187E2
Source: Rabbit	UNIPROT ID: Q86YW0	
Isotype: IgG	Full Name: phospholipase C, zeta 1	
Immunogen Catalog Number: AG26899	Calculated MW: 608 aa, 70 kDa	

Applications

Tested Applications:
Indirect ELISA

Species Specificity:
human

Background Information

Phospholipase C zeta1 (Plcz1) was known to be a physiological factor in sperm that activates oocytes to complete meiosis by triggering Ca²⁺ oscillations after fertilisation (PMID: 36613757). PLCZ1 is considered a major sperm-borne oocyte activation factor. After gamete fusion, PLCZ1 triggers calcium oscillations in the oocyte, resulting in oocyte activation (PMID: 38133249).

Storage

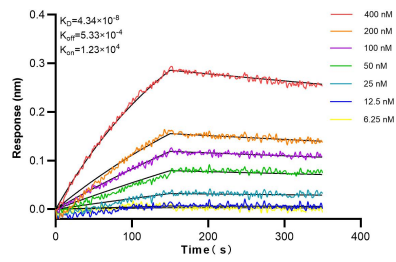
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
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Selected Validation Data



Biolayer interferometry (BLI) kinetic assays of 83090-1-RR against Human PLCZ1 were performed. The affinity constant is 43.4 nM.