

# CLSTN3 Monoclonal antibody, PBS Only (Capture)

Catalog Number: 68855-3-PBS

## Basic Information

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|---|--|--|
| <b>Catalog Number:</b><br>68855-3-PBS                       | <b>GenBank Accession Number:</b><br>BC039075 | <b>Purification Method:</b><br>Protein G Magarose purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>9746                | <b>CloneNo.:</b><br>3D4F8                                      |
| <b>Source:</b><br>Mouse                                     | <b>UNIPROT ID:</b><br>Q9BQT9                 |  |
| <b>Isotype:</b><br>IgG1                                     | <b>Full Name:</b><br>calsyntenin 3           |  |
| <b>Immunogen Catalog Number:</b><br>AG14897                 | <b>Calculated MW:</b><br>968 aa, 107 kDa     |  |

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

68855-3-PBS targets CLSTN3 as part of a matched antibody pair:

MP50250-2: 68855-3-PBS capture and 68855-2-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Background Information

Calsyntenins, also called alcadeins, are cadherin superfamily proteins first identified as synaptic proteins (PMID: 11161476; 12498782). Calsyntenins are type I transmembrane proteins with extracellular domains containing two cadherin repeats and an LNS (laminin, neuexin, sex hormone-binding globulin) domain (PMID: 24613359). Calsyntenin-3 (CLSTN3, also known as alcadein-beta) is a synapse-organizing protein that promotes the development of synapses. It is a postsynaptic adhesion molecule that binds to presynaptic neuexins to mediate both excitatory and inhibitory synapse formation (PMID: 25352602; 24613359).

## Storage

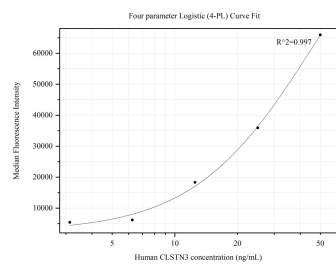
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



Cytometric bead array standard curve of MP50250-2, CLSTN3 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68855-3-PBS. Detection antibody: 68855-2-PBS. Standard:Ag14897. Range: 3.125-50 ng/mL