

CoraLite®594-conjugated STXBP1 Monoclonal antibody

Catalog Number: **CL594-67137**

Basic Information

Catalog Number:

CL594-67137

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG28605

GenBank Accession Number:

BC015749

GeneID (NCBI):

6812

UNIPROT ID:

P61764

Full Name:

syntaxin binding protein 1

Calculated MW:

594 aa, 68 kDa

Observed MW:

68 kDa

Purification Method:

Protein A purification

CloneNo.:

1B5B3

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Background Information

STXBP1, also named as UNC18A, N-Sec1 and p67 belongs to the STXBP/unc-18/SEC1 family. STXBP1 may participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. It is essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. STXBP1 can interact with syntaxins 1, 2, and 3 but not syntaxin 4. It may play a role in determining the specificity of intracellular fusion reactions.

Storage

Storage:

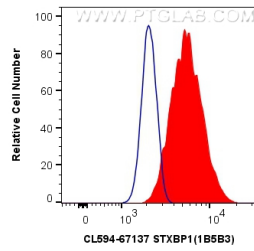
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Coralite®594 Anti-Human STXBP1 (CL594-67137, Clone:1B5B3) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL594-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).