

CoraLite®594-conjugated Tom22 Monoclonal antibody

Catalog Number: **CL594-66562**

Basic Information

Catalog Number:

CL594-66562

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG1797

GenBank Accession Number:

BC009363

GeneID (NCBI):

56993

UNIPROT ID:

Q9NS69

Full Name:

translocase of outer mitochondrial
membrane 22 homolog (yeast)

Calculated MW:

15 kDa

Observed MW:

22 kDa

Purification Method:

Protein A purification

CloneNo.:

1C2B11

Recommended Dilutions:

WB 1:500-1:1000

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

FC (Intra), WB

Species Specificity:

Human

Positive Controls:

WB : HeLa cells, HEK-293 cells

Background Information

TOMM22 is a central receptor component of the translocase of the outer membrane of mitochondria responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. It is showed in UniProt that phosphorylation is performed at three positions of this protein which may increase the molecular weight. Catalog#66562-1-Ig recognises the 22 kDa protein larger than the calculated MW which is 15 kDa. Besides, it has been reported the MV of TOMM22 is 22 kDa (PMID:19285029).

Storage

Storage:

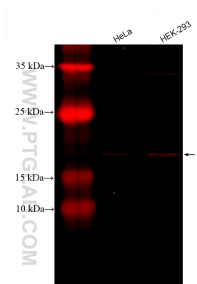
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

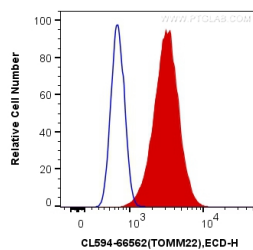
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL594-66562 (TOMM22 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



1×10^6 HEK-293 cells were intracellularly stained with 0.4 μ g CoraLite®594 Anti-Human Tom22 (CL594-66562, Clone:1C2B11) (red), or 0.4 μ g 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).