For Research Use Only

LAMP3 Recombinant monoclonal antibody

Catalog Number:85398-4-RR

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Basic Information

Catalog Number:
85398-4-RR

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG3594

GenBank Accession Number:
NM_014398.4

GeneID (NCBI):
27074

UNIPROT ID:
Q9UQV4

Full Name:
lysosomal-associated membrane protein 3

Calculated MW:
44 kDa

Observed MW:
70-80 kDa

Purification Method:
Protein A purification

CloneNo.:
242748E3

Recommended Dilutions:
WB: 1:500-1:2000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : Raji cells, A375 cells, A549 cells, HEK-293T cells

Background Information

LAMP3 (lysosome-associated membrane protein 3), also known as DC-LAMP (DC-lysosome-associated membrane glycoprotein), TSC403, or CD208, is a highly glycosylated lysosomal membrane protein that belongs to the LAMP family. The mature glycoprotein has an apparent molecular mass of 70-90 kDa, which is considerably larger than its predicted mass of 44 kDa (PMID: 9768752). LAMP3 is expressed in lung type II pneumocytes, lymphoid organs, and dendritic cells. It might change the lysosome function after the transfer of peptide-MHC class II molecules to the surface of dendritic cells. LAMP3 mRNA is up-regulated in some human cancers (PMID:9721848). LAMP3 overexpression is associated with an enhanced metastatic potential and may be a prognostic factor for cervical cancer (PMID: 16204031).

Storage

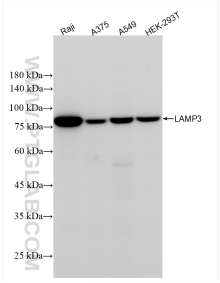
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

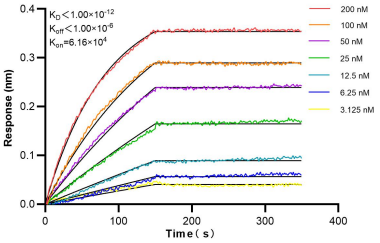
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E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85398-4-RR (LAMP3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85398-4-RR against Human LAMP3 were performed. The affinity constant is below 1 pM.