For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD8a (53-6.7)

Catalog Number:CL488-65069 5 Publications

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-65069

Concentration:
100ug, 500 ug/ml

Source:
Rat

Isotype:
IgG2a, kappa

GenBank Accession Number:
BC030679

GeneID (NCBI):
12525

UNIPROT ID:
P01731

Full Name:
CD8 antigen, alpha chain

Purification Method:
Affinity purification

CloneNo.:
53-6.7

Recommended Dilutions:
IF/ICC: 1:250-1:1000
FC: 0.5 ug per 10^6 cells in 100 μl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC, FC

Cited Applications:
IF

Species Specificity:
mouse

Cited Species:
mouse

Positive Controls:

IF/ICC : mouse splenocytes,

FC : mouse splenocytes,

Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8α or as a heterodimer of CD8α and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8αβ heterodimer, while CD8αα homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γδ T cells and on NK cells (PMID: 2111591; 1831127; 8420975). CD8 acts as a co-receptor that binds to MHC class I and participates in cytotoxic T cell activation (PMID: 8499079). During T cell development, CD8 is required for positive selection of CD4-/CD8+ T cells (PMID: 1968084).

Notable Publications

Author	Pubmed ID	Journal	Application
Yinghui Shang	36034656	Front Chem	IF
Chushu Li	34341130	J Immunother Cancer	IF
Yupan Bai	42162440	Cancer Immunol Immunother	IF

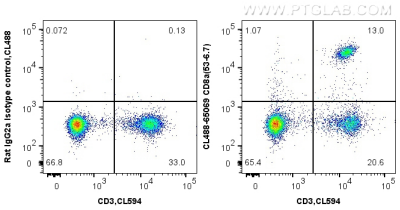
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

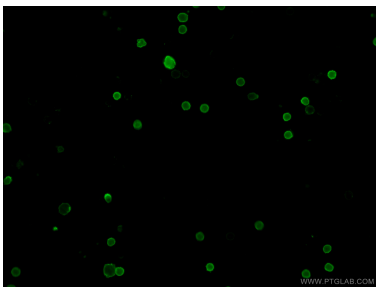
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10^6 mouse splenocytes were surface co-stained with CoraLite®594 Anti-Mouse CD3 and 0.5 ug CoraLite® Plus 488 Anti-Mouse CD8a (CL488-65069, Clone: 53-6.7) or 0.5 ug Isotype Control. Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 488-conjugated Anti-Mouse CD8a (CL488-65069, Clone: 53-6.7) at dilution of 1:500.