For Research Use Only

Anti-Human CD8 (SK1) Mouse IgG2a Recombinant Antibody, PBS Only

Catalog Number:65630-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
65630-1-PBS

Size:
1mg , 3 mg/ml

Source:
Mouse

Isotype:
IgG2a

GenBank Accession Number:
BC025715

GeneID (NCBI):
925

ENSEMBL Gene ID:
ENSG00000153563

UNIPROT ID:
P01732

Full Name:
CD8a molecule

Calculated MW:
235 aa, 26 kDa

Purification Method:
Protein A purification

CloneNo.:
SK1

Applications

Tested Applications:
FC

Species Specificity:
human, monkey, non-human primates

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) γ δ 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).

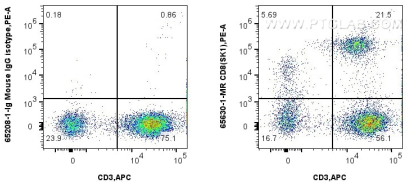
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

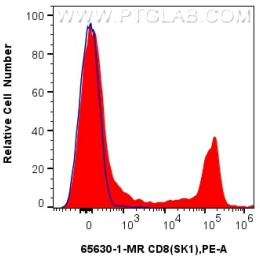
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

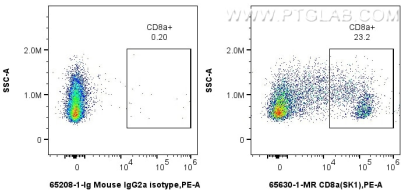
Selected Validation Data



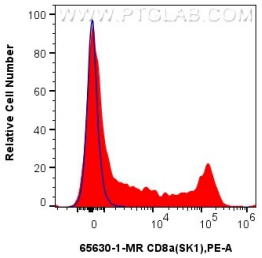
1x10^6 human PBMCs were surface stained with 0.25 ug Anti-Human CD8 (SK1) Mouse IgG2a Recombinant Antibody (65630-1-MR, Clone: SK1) or 0.25 ug Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4), and PE-conjugated Goat Anti-Mouse IgG. Cells were then stained with APC Anti-Human CD3. Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 65630-1-PBS in a different storage buffer formulation.



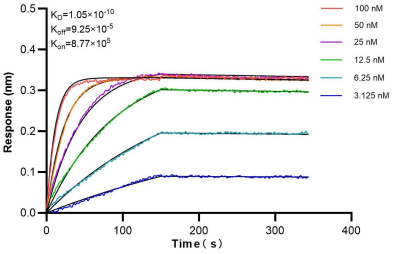
1x10^6 human PBMCs were surface stained with 0.25 ug Anti-Human CD8 (SK1) Mouse IgG2a Recombinant Antibody (65630-1-MR, Clone: SK1) (red) or 0.25 ug Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) (blue), and PE-conjugated Goat Anti-Mouse IgG. Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 65630-1-PBS in a different storage buffer formulation.



1x10^6 cynomolgus PBMCs were surface stained with 0.25 ug Anti-Human CD8 (SK1) Mouse IgG2a RecAb (65630-1-MR, Clone:SK1) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4), and PE-conjugated Goat Anti-Mouse IgG. Cells were not fixed. This data was developed using the same antibody clone with 65630-1-PBS in a different storage buffer formulation.



1x10^6 cynomolgus PBMCs were surface stained with 0.25 ug Anti-Human CD8 (SK1) Mouse IgG2a RecAb (65630-1-MR, Clone:SK1) (red) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue), and PE-conjugated Goat Anti-Mouse IgG. Cells were not fixed. This data was developed using the same antibody clone with 65630-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 65630-1-MR against Human CD8a were performed. The affinity constant is 0.105 nM.