

For Research Use Only

PE Anti-Human CD8 (SK1)

Catalog Number: PE-65146

2 Publications



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
PE-65146	BC025715	Affinity purification
Size:	GeneID (NCBI):	CloneNo.:
100tests , 5 µl/test	925	SK1
Source:	Full Name:	Excitation/Emission maxima wavelengths:
Mouse	CD8a molecule	496 nm, 565 nm / 578 nm
Isotype:	Calculated MW:	
IgG1, kappa	235 aa, 26 kDa	

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
Human

Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8 α or as a heterodimer of CD8 α and CD8 β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 $\alpha\beta$ heterodimer while CD8 $\alpha\alpha$ homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) $\gamma\delta$ 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
Qian Gou	37870169	Adv Sci (Weinh)	FC
Qian Gou	37096255	Cancer Sci	

Storage

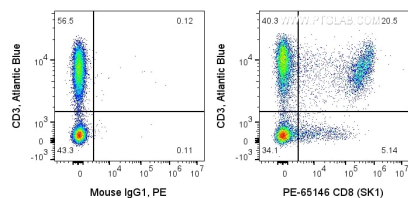
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

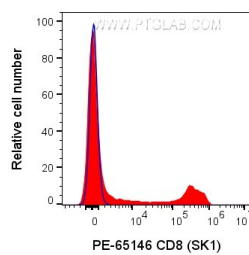
For technical support and original validation data for this product please contact:
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Selected Validation Data



1X10⁶ human PBMCs were surface co-stained with Atlantic Blue™ Anti-Human CD3 and 5 ul PE Anti-Human CD8 (PE-65146, Clone:SK1), or PE Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10⁶ human PBMCs were surface stained with 5 ul PE Anti-Human CD8 (PE-65146, Clone:SK1), or PE Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.