For Research Use Only

Anti-Human CD8a (RPA-T8)

Catalog Number:65144-1-Ig 4 Publications

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Basic Information

Catalog Number:
65144-1-Ig

Size:
100ug, 0.5 mg/ml

Source:
Mouse

Isotype:
IgG1

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:
Affinity purification

CloneNo.:
RPA-T8

Applications

Tested Applications:
FC

Cited Applications:
IHC, WB

Species Specificity:
Human

Cited Species:
human, pig

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
Ling Ding	34830884	Cancers (Basel)	WB
Mingyang Ding	35867564	J Virol	IHC
Si-Yuan Zhang	34277389	Front Oncol	IHC

Storage

Storage:
Store at 2-8°C.
Storage Buffer:
Phosphate based buffer with 0.09% sodium azide, pH 7.2.

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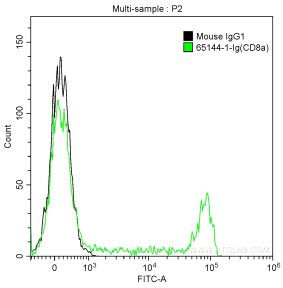
Selected Validation Data



1X10^6 human peripheral blood lymphocytes were surface stained with 0.5 ug Anti-Human CD8a (65144-1-Ig, Clone:RPA-T8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or stained with 0.5 ug isotype control antibody and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (black). Cells were not fixed.