

Mouse anti-Rat CD8a Monoclonal Antibody | anti-CD8a antibody

Anti-Rat CD8a Monoclonal Antibody (PE/Cy7 Conjugated)

CATALOG # AAA174743	HOST Mouse	REACTIVITY Rat	APPLICATIONS Flow Cytometry, Functional Assay
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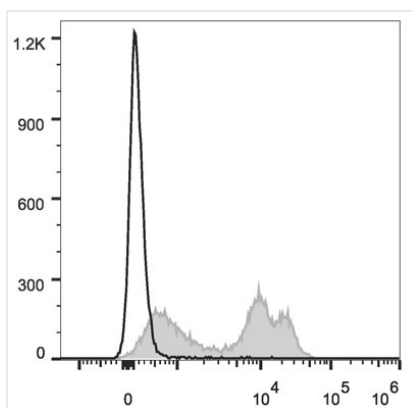
PRODUCT SYNONYMS

CD8a; Monoclonal Antibody; Anti-Rat CD8a Monoclonal Antibody (PE/Cy7 Conjugated); T-cell surface glycoprotein CD8 alpha chain; CD8A; T-lymphocyte differentiation antigen T8/Leu-2; MAL; anti-CD8a antibody

PRODUCT SPECIFICATIONS

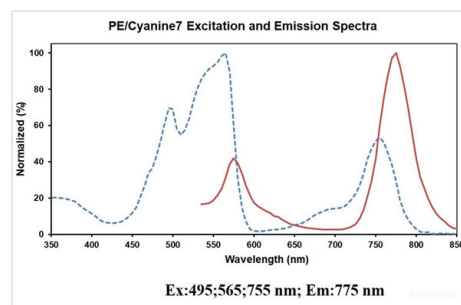
Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	OX-8
Form/Format	Liquid; PBS with 0.05% Proclin300, 1% BSA
Sequence Length	236
Applicable Applications for anti-CD8a antibody	FCM/FACS (Flow Cytometry)
Important Note	Centrifuge before opening to ensure complete recovery of vial contents.
Preparation and Storage	Store at 2~8 degree C and protected from prolonged exposure to light. Do not freeze. Keep as concentrated solution.

IMAGES



Application Data

Rat splenocytes are stained with PE/Cyanine7 Anti-Rat CD8a Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.



Fluorophore

Conjugation: PE/Cyanine7

ADDITIONAL INFORMATION

Related Product Information for anti-CD8a antibody	CD8a is a 32 kD glycoprotein also known as T8, Lyt2, Ly-2, and CD8alpha. CD8a is a member of the immunoglobulin superfamily expressed on most thymocytes, subset of mature T cells, most NK cells, macrophages, and some activated CD4+ T cells (not resting). CD8a forms heterodimers with the CD8beta chain (CD8b) on the surface of most thymocytes, while mature peripheral T lymphocytes express almost exclusively the CD8 alphabeta heterodimer. Intestinal intraepithelial lymphocytes express CD8a without CD8b. CD8 is an antigen co-receptor on T cells that interacts with MHC class I on antigen-presenting cells or epithelial cells. CD8 participates in T cell activation through its association with the T cell receptor complex and protein tyrosine kinase lck (p56lck).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13928726
NCBI GeneID	24930
NCBI Accession #	NP_113726.1
NCBI GenBank Nucleotide #	NP_113726.1
UniProt Accession #	P07725
NCBI Official Full Name	T-cell surface glycoprotein CD8 alpha chain
NCBI Official Synonym Full Names	CD8a molecule
NCBI Official Symbol	Cd8a
NCBI Protein Information	T-cell surface glycoprotein CD8 alpha chain
UniProt Protein Name	T-cell surface glycoprotein CD8 alpha chain
UniProt Gene Name	Cd8a
UniProt Entry Name	CD8A_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.