

# APC-Cy7 Mouse Anti-Human CD8

Purified APC-Cy7-conjugated Recombinant Mouse Monoclonal Antibody

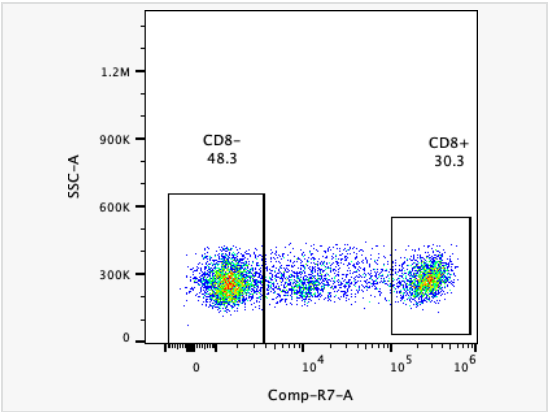
Catalog # F100319

## Product Information

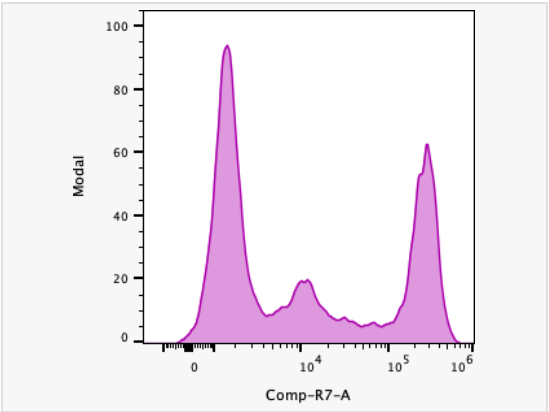
Application	FC
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone No.	37A35S63
Isotype	IgG
Label	APC-Cy7
Immunogen	Recombinant protein of human CD8
Format	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA.
Storage	Shipped on wet ice. Store undiluted between 2°C and 8°C and protected from prolonged exposure to light. Do not freeze. Stable for 24 months from date of receipt.
Precautions	APC-Cy7 Mouse Anti-Human CD8 [37A35S63] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	alpha polypeptide (p32), CD_antigen=CD8a, CD8, CD8 antigen alpha polypeptide, CD8 antigen alpha polypeptide (p32), CD8 antigen, alpha polypeptide (p32), CD8a, CD8A antigen, CD8A molecule, CD8A_HUMAN, Leu2, Leu2 T lymphocyte antigen, Ly 2, Ly 35, Ly B, Ly2, Ly3, Ly35, LyB, Lyt 2.1 lymphocyte differentiation antigen (AA at 100), LYT3, MAL, OKT8 T cell antigen, OTTHUMP00000160760, OTTHUMP00000160764, OTTHUMP00000203528, OTTHUMP00000203721, p32, T cell antigen Leu2, T cell co receptor, T lymphocyte differentiation antigen T8/Leu 2, T-cell surface glycoprotein CD8 alpha chain, T-cell surface glycoprotein Lyt 2, T-lymphocyte differentiation antigen T8/Leu-2, T8 T cell antigen, T8/Leu-2 T-lymphocyte differentiation antigen.
Uniprot ID	P01732
Gene ID	925
Background	CD8a is a 32-34 kD type I glycoprotein. It forms a homodimer (CD8a/a) or heterodimer (CD8a/b) with CD8b. CD8, also known as T8 and Leu2, is a member of the immunoglobulin superfamily found on the majority of thymocytes, a subset of peripheral blood T cells, and NK cells (which express almost exclusively CD8a homodimers). CD8 acts as a co-receptor with MHC class I-restricted T cell receptors in antigen recognition and T cell activation, and has been shown to play a role in thymic differentiation. Two domains in CD8a are important for function: the extracellular IgSF domain binds the $\alpha 3$ domain of MHC class I and the cytoplasmic CXCP motif binds the tyrosine kinase p56 Lck.
Cellular Location	Secreted and Cell membrane.



Human peripheral blood lymphocytes were stained with APC-Cy7 Mouse Anti-Human CD8 [37A35S63].



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