

## CD8

Rabbit Monoclonal Antibody | Product Data Sheet

Catalog# 4207-1

**Quantity:** 100ul

**Clone ID:** SP16

**Species Cross-reactivity\***  Human  Mouse  Rat

**Applications:**  WB  IHC  ICC  IP  FC

**Lot #:** Please refer to vial

**Molecular Wt.:** 32 kDa

**UniProt ID:** P01732

**Background:** The T cell coreceptor CD8 is a cell-surface glycoprotein expressed either as a disulfide-linked homodimer of two CD8alpha monomers, or a heterodimer of CD8alpha and CD8beta. These receptors interact with ligands, such as major histocompatibility complex (MHC) class I, on the outside of the cell, with proteins inside the cell, such as the tyrosine kinase p56lck, and possibly with proteins on the same cell-surface (1). CD8 plays an important role in T cell development in the thymus and T cell activation in the periphery (2).

**Specificity:** A synthetic peptide sequence comprising the 13 C-terminal amino acids of the cytoplasmic domain of alpha chain of the CD8 molecule.

**Storage Condition and Buffer:** Store at 2-8 °C. Buffer: Tissue culture supernatant with 0.1% sodium azide and 0.05% BSA. Stable for 12 months from the date of receipt.

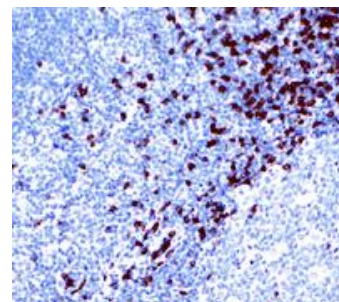
**Recommended Dilutions:**

**IHC:** 1:100

**Background References:**

1. Devine L, et al. Immunol Res, 19(2-3):201-10, 1999.
2. Wong, JS, et al. J Immunol 171:867-874, 2003

\*Cross reactivity determined by western blot only.



**Fig 1. A.** Immunohistochemical staining of paraffin-embedded Human tonsil stained with anti-CD8 RabMAb (Cat. #4207-1)

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.

This product was manufactured under U.S. Patent No. 5,675,063. For a complete list of protocols and available related products, please visit [www.epitomics.com](http://www.epitomics.com)  
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