

**CD8 Rabbit Monoclonal Antibody  
 Product Data Sheet**

**Catalog # 4207-1**

**Clone ID:** SP16                      **Lot #:** Please refer to vial  
**Quantity:** 100 µl  
**Type:** Rabbit Monoclonal IgG  
**Species Cross-reactivity:** + Human n/d Mouse n/d Rat  
**Applications:** WB + IHC n/d ICC n/d Flow Cytometry IP  
**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 Conditions:** 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:**

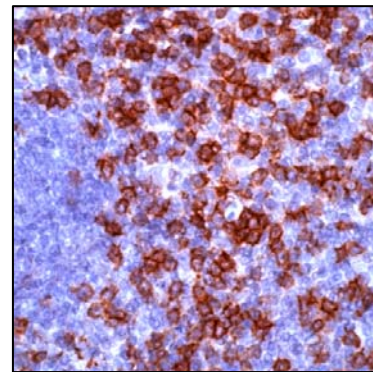
IHC: 1:100

Please visit [www.epitomics.com](http://www.epitomics.com) for recommended protocols

**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

**Positive Control:** Tonsil  
**Staining Pattern:** Cell membrane



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

**Related Products:**

<u>Antigen</u>	<u>Clone</u>	<u>Catalog #</u>
CD8 (C-term)	EP1150Y	1872-1
IL-1 beta	EP407Y	1743-1
IL-15	EP433Y	1657-1
PLAP	Y102	1566-1
TNF-alpha	Polyclonal	1790-1
TNF-beta	P1113Y	1838-1
TNF-beta	Polyclonal	1801-1

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 us at [www.epitomics.com](http://www.epitomics.com).