

## Recombinant CD8A (Cytotoxic / Suppressor T-Cell Marker) Antibody

Rabbit Monoclonal Antibody [Clone CD8/4391R]

Catalog No	Format	Size
925-RBM13-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
925-RBM13-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
925-RBM13-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

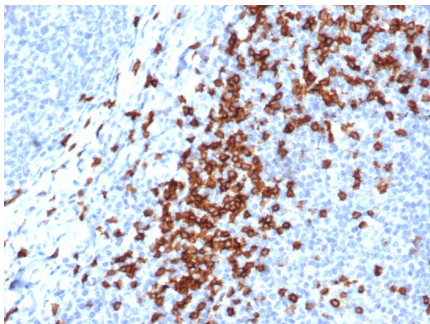
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

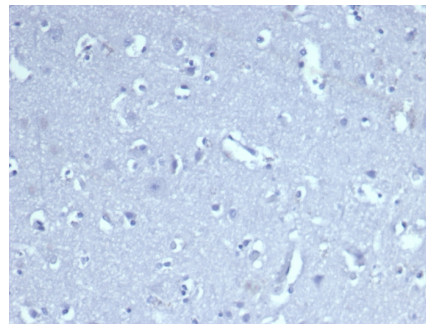
Clone	CD8/4391R
Gene Name	CD8A
Immunogen	Synthetic peptide corresponding to CD8? residues within aa135-235 of CD8?
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	32kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	Human tonsil.

*\*Optimal dilution for a specific application should be determined.*

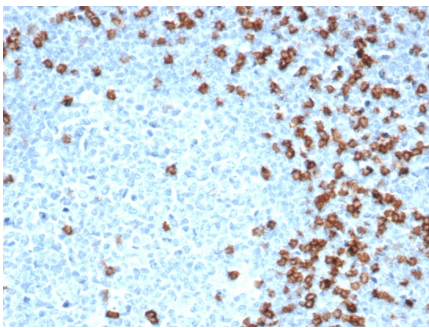
### Product Images for Recombinant CD8A (Cytotoxic / Suppressor T-Cell Marker) Antibody



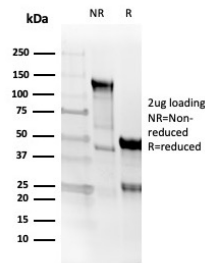
Formalin-fixed, paraffin-embedded human tonsil stained with CD8a Recombinant Rabbit Monoclonal Antibody (CD8/4391R).



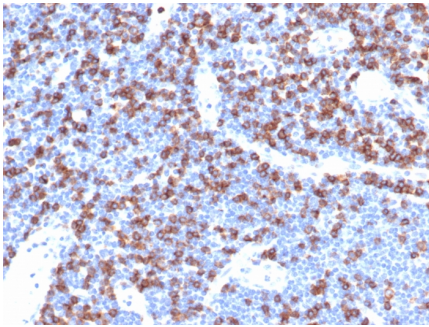
IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using CD8/4391R at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



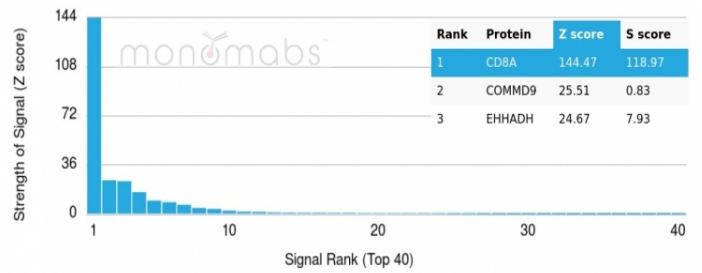
Formalin-fixed, paraffin-embedded human tonsil stained with CD8a Recombinant Rabbit Monoclonal Antibody (CD8/4391R).



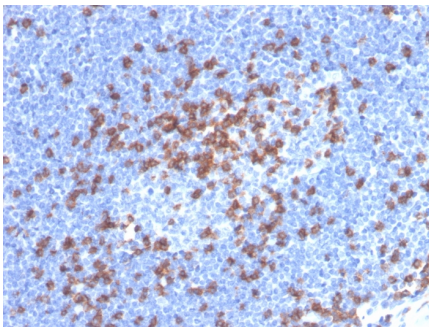
SDS-PAGE Analysis Purified CD8a Recombinant Rabbit Monoclonal Antibody (CD8/4391R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human lymph node stained with CD8a Recombinant Rabbit Monoclonal Antibody (CD8/4391R).



Analysis of Protein Array containing more than 19,000 full-length human proteins using CD8a Recombinant Rabbit Monoclonal Antibody (CD8/4391R). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human lymph node stained with CD8a Recombinant Rabbit Monoclonal Antibody (CD8/4391R).

### **Specificity & Comments**

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that serves as a coreceptor for TCR recognition of MHC class I associated peptides and supports CTL activation by binding to the MHC, while making no direct contact with the peptide. CD8 is expressed on cytotoxic suppressor T cells. It is expressed as a heterodimer of CD8 $\alpha$  and CD8 $\beta$ . CD8 is expressed on approximately one-third of peripheral blood T cells (the CD4-negative cells). CD8 has also been detected at a low level on some natural killer (NK) cells. In normal human tonsil, large numbers of CD8+ lymphocytes were present within the paracortex; occasionally positive cells were also identified within germinal centers and within the investing squamous epithelium. In other tissues, only lymphoid cells and cells of histiocyte lineage showed positive staining for CD8.

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### **Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### **Supplied As**

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### **Storage and Stability**

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### **Research Areas**

Cardiovascular, Dendritic Cell Marker, Hematopoietic Stem Cells, Immunology, PD-1 blockade immunotherapy

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