



11-678-C025

## Monoclonal Antibody to CD8a (rat) Purified Antibody (0.025 mg)

<b>Clone:</b>	OX-8
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The mouse monoclonal antibody OX-8 recognizes the hinge-like membrane-proximal domain of rat CD8a (32-34 kDa; alpha chain of the CD8 antigen).
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	High Mw glycoproteins from rat thymocytes
<b>Species Reactivity:</b>	Rat
<b>Application:</b>	Flow Cytometry Immunoprecipitation Western Blotting Immunohistochemistry (paraffin sections) Immunohistochemistry (frozen sections) Functional Application blocking
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Purification:</b>	Purified by protein-A affinity chromatography
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
<b>Storage / Stability:</b>	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	The CD8a (CD8 alpha) subunit of CD8 T cell coreceptor is expressed in CD8 alpha/beta heterodimers on majority of MHC I-restricted conventional T cells and thymocytes and in CD8 alpha/alpha homodimers on subsets of memory T cells, intraepithelial lymphocytes, NK cells, macrophages and dendritic cells. Regulation of CD8 beta level on T cell surface seems to be an important mechanism to control their effector function. Assembly of CD8 alpha/beta but not alpha/alpha dimers is connected with formation or localization to the lipid rafts. Recruiting triggered TCR complexes to these membrane microdomains as well as affinity of TCR to MHC I is modulated by CD8, thereby affecting the functional diversity of the TCR signaling.

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**Antibodies****References:**

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