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30-2544: Anti-Rat CD8a Low Endotoxin Antibody (Clone : OX-8)

Clonality :	Monoclonal
Clone Name :	OX-8
Application :	WB
Reactivity :	Rat
Gene :	CD8a
Gene ID :	24930
Format :	Low Endotoxin
Alternative Name :	Ly-2, Ly-B, Ly-35, Lyt-2,CD8a molecule
Isotype :	Mouse IgG1 kappa
Immunogen Information :	High Mw glycoproteins from rat thymocytes

Description

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.
Specificity : The mouse monoclonal antibody OX-8 recognizes the hinge-like membrane-proximal extracellular domain of rat CD8a (32-34 kDa; alpha chain of the CD8 antigen).

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Content :	1 mg/ml Formulation : Low endotoxin azide free phosphate buffered saline (PBS) solution, 0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.
Storage condition :	Store at 2-8°C. Do not freeze.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.