

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

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| <b>Clonality :</b>             | Monoclonal                                |
| <b>Clone Name :</b>            | OX-8                                      |
| <b>Application :</b>           | WB  |
| <b>Reactivity :</b>            | Rat                                       |
| <b>Gene :</b>                  | CD8a                                      |
| <b>Gene ID :</b>               | 24930                                     |
| <b>Format :</b>                | Low Endotoxin                             |
| <b>Alternative Name :</b>      | Ly-2, Ly-B, Ly-35, Lyt-2,CD8a molecule    |
| <b>Isotype :</b>               | Mouse IgG1 kappa                          |
| <b>Immunogen Information :</b> | 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

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| <b>Amount :</b>            | 0.1 mg  |
| <b>Purification :</b>      | Purified by protein-A affinity chromatography   |
|                            | 1 mg/ml   |
| <b>Content :</b>           | 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. |
| <b>Storage condition :</b> | Store at 2-8°C. Do not freeze.  |