

For Research Use Only

Rat CD8a Recombinant antibody, PBS Only

Catalog Number: 86119-1-PBS



Basic Information

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| Catalog Number: 86119-1-PBS | GenBank Accession Number: NM_031538.2 | Purification Method: Protein A purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 24930 | CloneNo.: 250721F4 |
| Source: Rabbit | UNIPROT ID: P07725 | |
| Isotype: IgG | Full Name: CD8a molecule | |
| Immunogen Catalog Number: EG3839 | Calculated MW: 26 kDa | |
| | Observed MW: 30 kDa | |

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
rat

Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8a or as a heterodimer of CD8a and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8aβ heterodimer while CD8aa homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γδ T cells and on NK cells (PMID: 2111591; 1831127; 8420975). CD8 acts as a co-receptor that binds to MHC class-I and participates in cytotoxic T cell activation (PMID: 8499079). During T cell development, CD8 is required for positive selection of CD4-/CD8+ T cells (PMID: 1968084).

Storage

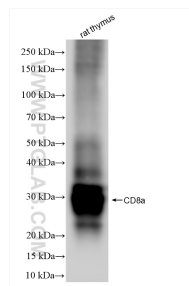
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86119-1-RR (CD8a antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86119-1-PBS in a different storage buffer formulation.