

Product datasheet for **AM32154PU-N**

Cd8a Mouse Monoclonal Antibody [Clone ID: OX8-2a]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX8-2a
Applications:	IHC
Recommended Dilution:	Flow Cytometric analysis of rat lymphocytes, especially in multicolor stainings. Immunohistochemistry on Fresh Frozen Sections. Immunohistochemistry on Formalin-Fixed/Paraffin-Embedded Sections. Citric acid pretreatment is recommended.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	The antibody binds to a Rat strain-independent epitope of the α -chain of CD8, present on the CD8-positive subsets of T cells and NK cells.
Formulation:	State: Purified State: Liquid purified IgG fraction Preservative: 0.05% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for Two months or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD8a molecule
Database Link:	Entrez Gene 24930 Rat P07725



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Background:

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell to cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains.

Synonyms:

CD8 alpha chain, CD8A, MAL