

# CD8 Antibody (YTS169.4)

Lot Number: 74360215

Product Data Sheet

Tested Species Reactivity	Published Species Reactivity
Mouse (Ms)	Mouse (Ms)

Tested Applications	Dilution *
Immunohistochemistry (Frozen) (IHC (F))	Assay Dependent
Flow Cytometry (FACS)	1/50 - 1/100

Published Applications	Dilution
Immunohistochemistry (IHC)	See publications

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
<b>Catalog Number:</b>	MA1-82375
<b>Size:</b>	250 µg
<b>Class:</b>	Monoclonal
<b>Type:</b>	Antibody
<b>Clone:</b>	YTS169.4
<b>Host / Isotype:</b>	Rat / IgG2b
<b>Immunogen:</b>	Proprietary Immunogen.

Form Information	
<b>Form:</b>	Liquid
<b>Concentration:</b>	1mg/ml
<b>Purification:</b>	Protein G
<b>Storage Buffer:</b>	PBS, pH 7.4
<b>Preservative:</b>	0.09% sodium azide
<b>Storage Conditions:</b>	4°C or -20°C if preferred

## Product Specific Information

For FACS analysis, use 10ul of the suggested working dilution to label  $1 \times 10^6$  cells in 100ul.

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## General Information

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-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. This gene encodes the CD8 alpha chain isoforms. Two alternative transcripts encoding distinct isoforms, one membrane associated and one secreted, have been identified [Gene Wiki: CD8a].

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