

Product datasheet for **CL007P**

Cd8a Rat Monoclonal Antibody [Clone ID: YTS169.4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	YTS169.4
Applications:	FC, IHC
Recommended Dilution:	Flow cytometry: 1/50-1/100, use 10 µl to label 10 ⁶ cells in 100 µl. Method sheets are available on request. Immunohistochemistry on Frozen Sections.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	This clone recognises the Murine CD8 cell surface antigen, expressed by a subset of T lymphocytes. Clone YTS169.4 exhibits depleting activity when used <i>in vivo</i> .
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD8 antigen, alpha chain
Database Link:	Entrez Gene 12525 Mouse P01731



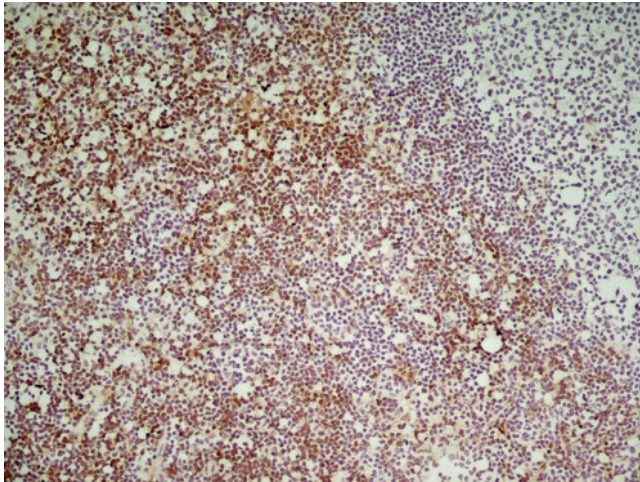
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Background:

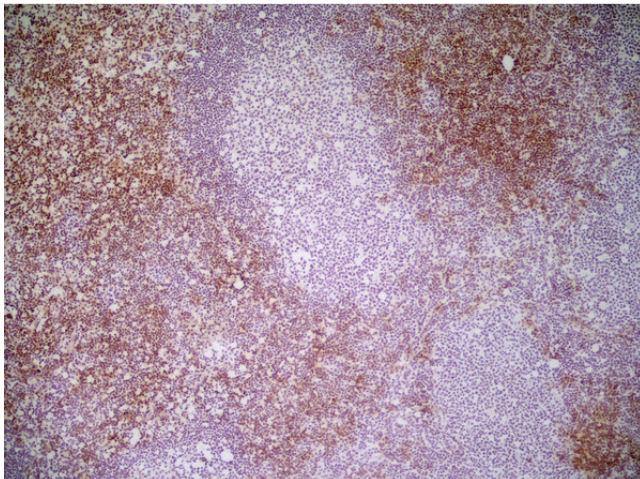
The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell to cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (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:

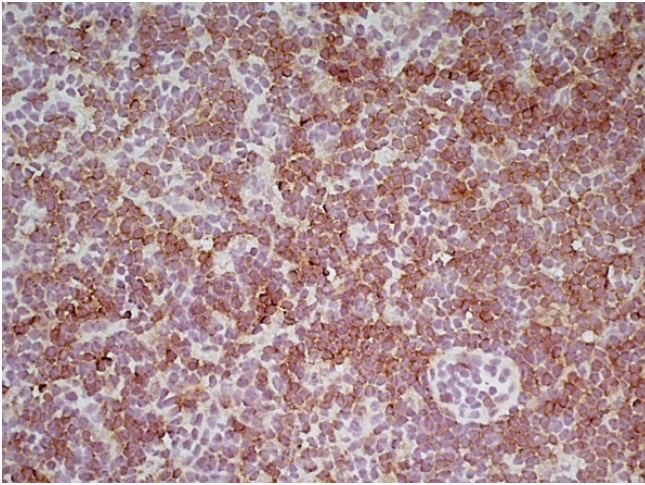
CD8 alpha chain, CD8A, MAL

Product images:

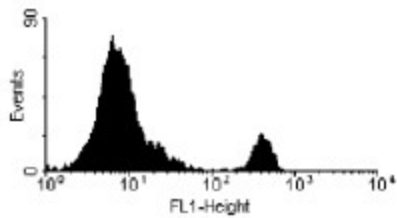
Immunoperoxidase staining of a mouse lymph node cryosection with Rat anti Mouse CD8 antibody, clone YTS169.4 Cat.-No CL007P) followed by horseradish peroxidase conjugated Goat anti Rat IgG antibody. Medium power.



Immunoperoxidase staining of a mouse lymph node cryosection with Rat anti Mouse CD8 antibody, clone YTS169.4 (Cat.-No CL007P) followed by horseradish peroxidase conjugated Goat anti Rat IgG antibody. Low power.



Immunoperoxidase staining of a mouse lymph node cryosection with Rat anti Mouse CD8 antibody, clone YTS169.4 (Cat.-No CL007P) followed by horseradish peroxidase conjugated Goat anti Rat IgG antibody. High power.



CL007P (RAT ANTI MOUSE CD8) staining of mouse peripheral blood lymphocytes visualised with F(ab')₂ RABBIT ANTI RAT IgG: FITC.