



Anti-CD8 alpha monoclonal antibody, clone LU26 [Pacific Blue™] (CABT-45324RM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Rat anti mouse CD8α, clone LU26, recognises the alpha chain of mouse CD8. Clone LU26 is reported to block T-cell-mediated cytotoxicity in in vitro assays.
Immunogen	T cell clone, C6.
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	LU26
Conjugate	Pacific Blue
Applications	Flow Cytometry
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.
Format	Purified IgG conjugated to Pacific Blue? - liquid.
Concentration	IgG concentration 0.05 mg/ml.
Size	25 tests
Buffer	Phosphate buffered saline.
Preservative	0.09% Sodium Azide
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

BACKGROUND

Introduction

CD8 (cluster of differentiation 8) is a transmembrane glycoprotein that serves as a co-receptor for the T cell receptor (TCR). Like the TCR, CD8 binds to a major histocompatibility complex (MHC) molecule, but is specific for the class I MHC protein. There are two isoforms of the protein, alpha and beta, each encoded by a different gene. In humans, both genes are located on chromosome 2 in position 2p12.

Keywords

CD8; cluster of differentiation 8

GENE INFORMATION

References

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 2. Whiteland, J.L. et al. (1995) Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies. *J Histochem Cytochem*. 43(3) :313-320.
 3. Lee, Y.L. et al (2003) Oral administration of *Agaricus blazei* (H1 strain) inhibited tumor growth in a sarcoma180 inoculation model. *Exp Anim*. 52: 371-5.
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