



Anti-CD8 monoclonal antibody, clone MU9 [Pacific Blue™] (CABT-45258MH)

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

PRODUCT INFORMATION

Specificity Mouse anti Human CD8 antibody, clone MU9 recognizes the human CD8 cell surface glycoprotein expressed by a subset of peripheral blood T cells which express cytotoxic/suppressor activity. It is also expressed weakly on NK cells.

Immunogen Normal human blood lymphocytes.

Isotype IgG1

Source/Host Mouse

Species Reactivity Human

Clone MU9

Conjugate Pacific Blue

Applications Flow Cytometry

Preparation Purified IgG prepared by ion exchange chromatography.

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; CD8a; CD8b; CD8A; CD8B; CD8B1

GENE INFORMATION

Entrez Gene ID

[925](#)

UniProt ID

[P01732](#)

References

1. Zarkesh-Esfahani, H. et al. (2001) High-dose Leptin activates human leukocytes via receptor expression on monocytes. J. Immunol. 167: 4593 - 4599.
 2. Manninen, A. et al. (2002) HIV-1 Nef interacts with inositol trisphosphate receptor to activate calcium signaling in T cells. J. Exp.Med. 195 (8): 1023 -1032.
 3. Parnes, J.R. (1989) Molecular biology and function of CD4 and CD8. Adv. Immunol. 44: 265-311.
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