



Anti-CD8A monoclonal antibody, clone KT15 [R-PE] (CABT-45330RM)

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

PRODUCT INFORMATION

Product Overview

Rat anti mouse CD8 α , clone KT15, recognises the alpha chain of mouse CD8. CD8 is a heterodimeric protein composed of disulphide-linked CD8 α and CD8 β chains that is expressed primarily on cytotoxic T-cells. CD8 functions in the interaction with MHC Class I-bearing targets and plays a role in T-cell-mediated killing. Clone KT15 is reported to block T-cell-mediated cytotoxicity in in vitro assays. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.

Specificity	CD8A
Immunogen	T cell clone, C6.
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	KT15
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. This product should

be stored undiluted. DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Cd8a CD8 antigen, alpha chain [Mus musculus (house mouse)]
Official Symbol	CD8A
Synonyms	CD8A; CD8 antigen, alpha chain; Ly-2; Ly-B; Ly-35; Lyt-2; BB154331; T-cell surface glycoprotein CD8 alpha chain; T-cell surface glycoprotein Lyt-2; Lyt-2.1 lymphocyte differentiation antigen (AA at 100);
Entrez Gene ID	12525
Protein Refseq	NP_001074579
Chromosome Location	6 C; 6 32.14 cM
Pathway	Adaptive Immune System; Antigen processing and presentation; Cell adhesion molecules (CAMs); Hematopoietic cell lineage; Immune System; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell; Primary immunodeficiency; T Cell Receptor Signaling Pathway;
Function	protein binding; protein homodimerization activity; protein kinase binding;