

## Anti-CD8A monoclonal antibody, clone KT15 [APC]

Cat.No: CABT-45316RM

Lot. No. (See product label)

### PRODUCT INFORMATION

**Product Overview** Rat anti mouse CD8 $\alpha$ , clone KT15, recognises the alpha chain of mouse CD8. CD8 is a heterodimeric protein composed of disulphide-linked CD8 $\alpha$  and CD8 $\beta$  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 10<sup>6</sup> cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.

<b>Specificity</b>	CD8A
<b>Immunogen</b>	T cell clone, C6.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	KT15
<b>Conjugate</b>	APC
<b>Applications</b>	FC
<b>Procedure</b>	Conjugated Antibodies
<b>Format</b>	Purified IgG conjugated to Allophycocyanin (APC) - lyophilised
<b>Size</b>	100 Tests
<b>Preservative</b>	0.09% Sodium Azide 1% Bovine Serum Albumin 5% Sucrose
<b>Storage</b>	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Warnings</b>	For research purposes only

### Antigen Gene Information

<b>Gene Name</b>	<a href="#">Cd8a CD8 antigen, alpha chain [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	CD8A
<b>Synonyms</b>	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);
<b>Entrez Gene ID</b>	<a href="#">12525</a>
<b>mRNA Refseq</b>	<a href="#">NM_001081110</a>
<b>Protein Refseq</b>	<a href="#">NP_001074579</a>
<b>Chromosome Location</b>	6 C; 6 32.14 cM

<b>Pathway</b>	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;
<b>Function</b>	protein binding; protein homodimerization activity; protein kinase binding;