

## Product datasheet for **SM011APC**

### Cd8a Rat Monoclonal Antibody [Clone ID: KT15]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	KT15
Applications:	FC
Recommended Dilution:	Flow Cytometry: The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	T cell clone, C6. Spleen cells from a Sprague Dawley rat immunised with the C6 T cell clone were fused with cells of the NSO mouse myeloma cell line.
Specificity:	Mouse Ly2.1 and Ly2.2 cells. This antibody reacts with the CD8 alpha chain (non polymorphic).
Formulation:	PBS containing 0.09% Sodium Azide, 5% Sucrose and 1% Bovine Serum Albumin Label: APC State: Lyophilized purified IgG Label: Allophycocyanin
Reconstitution Method:	Restore with 1 ml distilled water
Conjugation:	APC
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	Mus musculus CD8 antigen, alpha chain (Cd8a), transcript variant 1
Database Link:	<a href="#">Entrez Gene 12525 Mouse P01731</a>


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<b>Background:</b>	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.
<b>Synonyms:</b>	CD8 alpha chain, CD8A, MAL