

Product datasheet for **SM011PT**

Cd8a Rat Monoclonal Antibody [Clone ID: KT15]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | KT15 |
| Applications: | FC, IF, IHC |
| Recommended Dilution: | Immunohistochemistry on Frozen Sections. Flow Cytometry: Use 10 µl of 1/50-1/100 diluted antibody to label 10e6 cells in 100 µl. 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 |
| Specificity: | This antibody recognises mouse Ly2.1 and Ly2.2 cells; reacting with the CD8 alpha chain (non polymorphic). It is weakly cytotoxic. |
| Formulation: | PBS, pH 7.4 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction. |
| Concentration: | lot specific |
| Purification: | Affinity Chromatography on Protein A. |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | CD8 antigen, alpha chain |
| Database Link: | Entrez Gene 12525 Mouse P01731 |



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Background:

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.

Synonyms:

CD8 alpha chain, CD8A, MAL