## Product Details

### Applications
This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Flow Cytometry</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Neat</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

### Target Species
Mouse

### Product Form
Purified IgG conjugated to Allophycocyanin (APC) - lyophilised

### Reconstitution
Reconstitute with 0.25ml distilled water

### Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation (nm)</th>
<th>Emission (nm)</th>
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<tbody>
<tr>
<td>APC</td>
<td>650</td>
<td>661</td>
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</table>

### Buffer Solution
Phosphate buffered saline

### Preservative Stabilisers
- 0.09% Sodium Azide
- 1% Bovine Serum Albumin
- 5% Sucrose

### Immunogen
T cell clone, C6

### External Database Links
- UniProt: P01731
- Related reagents

### Entrez Gene:
Synonyms  
Lyt2, Lyt-2

Fusion Partners  
Spleen cells from immunised SD rats were fused with cells of the NS0 mouse myeloma cell line

Specificity  
Rat anti mouse CD8α, clone KT15, recognizes the alpha chain of mouse CD8α. CD8 is a heterodimeric protein composed of disulphide-linked CD8α and CD8β 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 (Nakauchi, H. et al., 1985 & Nakauchi, H. et al., 1987).

Clone KT15 is reported to block T-cell-mediated cytotoxicity in in vitro assays (Zeis, M. et al., 2002).

Flow Cytometry  
Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR (BUF041A/B).

References  
17. Singh, V. et al. (2011) Co-administration of IL-1+IL-6+TNF-α with Mycobacterium tuberculosis infected macrophages vaccine induces better protective T cell memory than BCG. *PLoS One. 6: e16097.*

**Storage**

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.

**Shelf Life**

12 months from date of reconstitution.

**Health And Safety Information**


**Regulatory**

For research purposes only