



## Anti-CD4 monoclonal antibody, clone YTS191.1 [Biotin] (CABT-45127RM)

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

### PRODUCT INFORMATION

|                           |   |
|---------------------------|---|
| <b>Product Overview</b>   | Rat anti Mouse CD4 antibody, clone YTS191.1 recognizes the murine CD4 cell surface antigen, expressed by a subset of T lymphocytes. Rat anti Mouse CD4 antibody, clone YTS191.1 exhibits depleting activity when used in vivo. 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. |
| <b>Specificity</b>        | CD4   |
| <b>Isotype</b>            | IgG2b   |
| <b>Source/Host</b>        | Rat   |
| <b>Species Reactivity</b> | Mouse   |
| <b>Clone</b>              | YTS191.1  |
| <b>Conjugate</b>          | Biotin  |
| <b>Applications</b>       | FC  |
| <b>Format</b>             | Purified IgG conjugated to Biotin - liquid  |
| <b>Size</b>               | 100 µg  |
| <b>Preservative</b>       | See individual product datasheet  |
| <b>Storage</b>            | in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.  |

# GENE INFORMATION

|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | <a href="#">Cd4 CD4 antigen [ <i>Mus musculus</i> (house mouse) ]</a>   |
| <b>Official Symbol</b>     | CD4   |
| <b>Synonyms</b>            | CD4; CD4 antigen; L3T4; Ly-4; T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; T-cell differentiation antigen L3T4; T-cell surface glycoprotein CD4 precursor (T-cell surface antigen T4/Leu-3) (T-cell differentiation antigen L3T4); |
| <b>Entrez Gene ID</b>      | <a href="#">12504</a>   |
| <b>Protein Refseq</b>      | <a href="#">NP_038516</a>   |
| <b>UniProt ID</b>          | P06332  |
| <b>Chromosome Location</b> | 6 F2; 6 59.17 cM  |
| <b>Pathway</b>             | Adaptive Immune System; Alpha-defensins; Antigen processing and presentation; Cell adhesion molecules (CAMs); Costimulation by the CD28 family; Cytokines and Inflammatory Response (BioCarta); Defensins; Downstream TCR signaling;                    |
| <b>Function</b>            | coreceptor activity; enzyme binding; glycoprotein binding; protein binding; protein homodimerization activity; protein kinase binding; zinc ion binding;  |