



# Anti-CD8A monoclonal antibody, clone YTC182.20 (CABT-45277RH)

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

## PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Product Overview</b>   | Rat anti Human CD8 antibody, clone YTC182.20 recognizes the human CD8 cell surface antigen, a 30/32kD glycoprotein expressed by the cytotoxic/suppressor subset of T lymphocytes, and more weakly by NK cells. Rat anti Human CD8 antibody, clone YTC182.20 recognizes a different epitope from clone YTC141.1. Flow Cytometry Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul. |
| <b>Specificity</b>        | CD8A   |
| <b>Immunogen</b>          | Mouse L cells transfected with human CD8 gene  |
| <b>Isotype</b>            | IgG2b  |
| <b>Source/Host</b>        | Rat  |
| <b>Species Reactivity</b> | Human, Cynomolgus monkey, Rhesus monkey  |
| <b>Clone</b>              | YTC182.20  |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | IHC-Fr; FC   |
| <b>Format</b>             | Purified IgG - liquid  |
| <b>Size</b>               | 200 µg   |
| <b>Preservative</b>       | See individual product datasheet   |
| <b>Storage</b>            | in frost-free freezers is not recommended. This product should be stored undiluted. 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="#">CD8A CD8a molecule [ Homo sapiens (human) ]</a>   |
| <b>Official Symbol</b>     | CD8A  |
| <b>Synonyms</b>            | CD8A; CD8a molecule; CD8; MAL; p32; Leu2; T-cell surface glycoprotein CD8 alpha chain; T8 T-cell antigen; T cell co-receptor; OKT8 T-cell antigen; T-cell antigen Leu2; Leu2 T-lymphocyte antigen; CD8 antigen, alpha polypeptide (p32); T-lymphocyte different                               |
| <b>Entrez Gene ID</b>      | <a href="#">925</a>   |
| <b>Protein Refseq</b>      | <a href="#">NP_001139345</a>  |
| <b>UniProt ID</b>          | P10966  |
| <b>Chromosome Location</b> | 2p12  |
| <b>Pathway</b>             | Adaptive Immune System; Antigen processing and presentation; Cell adhesion molecules (CAMs); Downstream signaling in naive CD8+ T cells; Hematopoietic cell lineage; IL12-mediated signaling events; Immune System; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell; |
| <b>Function</b>            | MHC class I protein binding; coreceptor activity; protein binding; protein homodimerization activity; protein kinase binding;   |