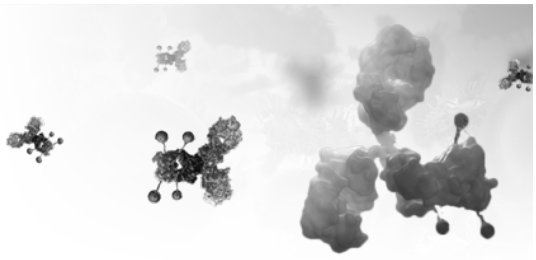

# Anti-CD8A monoclonal antibody, clone YTC182.20 [FITC] (CABT-45275RH)

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

## PRODUCT INFORMATION

| | |
|---|---|
| **Product Overview** | 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 106 cells or cells or 100ul whole blood. |
| **Specificity** | CD8A |
| **Immunogen** | Mouse L cells transfected with human CD8 gene |
| **Isotype** | IgG2b |
| **Source/Host** | Rat |
| **Species Reactivity** | Human, Cynomolgus monkey, Rhesus monkey |
| **Clone** | YTC182.20 |
| **Conjugate** | FITC |
| **Applications** | FC |
| **Format** | Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid |
| **Size** | 100 tests |
| **Preservative** | See individual product datasheet |
| **Storage** | in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |

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# GENE INFORMATION

| | |
|---|---|
| **Gene Name** | CD8A CD8a molecule [ Homo sapiens (human) ] |
| **Official Symbol** | CD8A |
| **Synonyms** | 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 |
| **Entrez Gene ID** | 925 |
| **Protein Refseq** | NP_001139345 |
| **UniProt ID** | P10966 |
| **Chromosome Location** | 2p12 |
| **Pathway** | 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; |
| **Function** | MHC class I protein binding; coreceptor activity; protein binding; protein homodimerization activity; protein kinase binding; |

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