



www.AntibodyResearch.com

## Antibody Research Corporation

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### Product Data Sheet

**Product Name:** Anti-Mouse CD8 Biotin Antibody

**Catalogue No.:** 181981

**Alternate Names:** CD8, MAL, p32

**Description:** CD8 is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. CD8 acts as a co-receptor, 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 CD8 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. CD8 identifies cytotoxic/suppressor t-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of t-cell mediated killing. CD8 alpha chains bind to class-I MHC molecules alpha-3 domains.

**Specificity:** Mouse

**Type:** Monoclonal

**Concentration:** 1mg/mL

**Purity:** Ion exchange column

**Storage:** Lyophilized: store at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C.

**Stability:** Two years lyophilized, one month in solution at 4°C.

**Shipping:** Products may be shipped on ice pack or dry ice.

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**For Research Use Only. Not for Diagnostic or Therapeutic Work.**

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