

DATA SHEET

PerCP anti-mouse CD8a Antibody

Code Number#21-100732

Pack Size: 100 µg

Clone: 53-6.7

Isotype: Rat IgG2a, κ

Description: CD8, also known as Lyt-2, Ly-2, or T8, consists of disulfide-linked α and β chains that form the (CD8a)/β(CD8b) heterodimer and α/α homodimer. CD8a is a 34kD protein that belongs to the immunoglobulin family. The CD8 α/β heterodimer is expressed on the surface of most thymocytes and a subset of mature TCR α/β T cells. CD8 expression on mature T cells is non-overlapping with CD4. The CD8 α/α homodimer is expressed on a subset of γ/δ TCR-bearing T cells, NK cells, intestinal intraepithelial lymphocytes, and lymphoid dendritic cells. CD8 is an antigen co-receptor on T cells that interacts with MHC class I on antigen- presenting cells or epithelial cells. CD8 promotes T cell activation through its association with the TCR complex and protein tyrosine kinase lck.

Reactivity: Mouse

Antibody Type: Monoclonal

Host Species: Rat

Immunogen: Mouse thymus or spleen

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Preparation: The antibody was purified by affinity chromatography, and conjugated with PerCP under optimal conditions.

Concentration: 0.2 mg/ml

Storage & Handling: The CD8a antibody solution should be stored undiluted between 2°C and 8°C. Do not freeze.

Application: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with low cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per 10⁶ cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
* PerCP has a maximum absorption of 482 nm and a maximum emission of 675 nm.

For in-vitro diagnostic use. Not for human or animal consumption..