



DATA SHEET

Brilliant Violet 650 anti-mouse CD8a Antibody

Code Number#21-100742

Pack Size: 50 µg

Clone: 53-6.7

Other Names: T8, Lyt2, Ly-2

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 α(CD8a)/β(CD8b) heterodimer and α/α homodimer. CD8a is a 34 kD 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 and BSA (origin USA).

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 650 under optimal conditions.

Concentration: 0.2 mg/ml

Storage & Handling: The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

Application: FC - Quality tested

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