

Mouse Anti-human CD8, AF488 conjugated

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| Cat. Number: | BF00306 |
| Target Protein: | human CD8 (Entrez Gene: 925; Swiss Prot: P01732) |
| Quantity Size: | 25T/50T/100T |
| Clonality: | Monoclonal |
| Clone No.: | HIT8a |
| Isotype: | IgG1 |
| Purity: | ≥95%, Purified by Protein G |
| Form: | Liquid |
| Storage Buffer: | 0.01M PBS, 0.5%BSA, 0.03%Proclin300. |
| Storage: | Store at 2-8°C, protect from light. Avoid repeated freeze/thaw cycles. |
| Application: | Flow-Cyt (5ul /Test) |

Background: CD8 (cluster of differentiation 8) is a transmembrane glycoprotein that serves as a co-receptor for the T cell receptor (TCR). Like the TCR, CD8 binds to a major histocompatibility complex (MHC) molecule, but is specific for the class I MHC protein. There are two isoforms of the protein, alpha and beta, each encoded by a different gene. The CD8 co-receptor is predominantly expressed on the surface of cytotoxic T cells, but can also be found on natural killer cells, cortical thymocytes, and dendritic cells. The CD8 molecule is a marker for cytotoxic T cell population. It is expressed in T cell lymphoblastic lymphoma and hypo-pigmented mycosis fungoides.