

## Anti-Ms CD3 Purified Cd3e Monoclonal Antibody

Catalog Number: M02675

### About CD3E

CD3 complex is crucial in transducing antigen-recognition signals into the cytoplasm of T cells and in regulating the cell surface expression of the TCR complex. T cell activation through the antigen receptor (TCR) involves the cytoplasmic tails of the CD3 subunits CD3 gamma, CD3 delta, CD3 epsilon and CD3 zeta. These CD3 subunits are structurally related members of the immunoglobulins super family encoded by closely linked genes on human chromosome 11. The CD3 components have long cytoplasmic tails that associate with cytoplasmic signal transduction molecules. This association is mediated at least in part by a double tyrosine-based motif present in a single copy in the CD3 subunits. CD3 may play a role in TCR-induced growth arrest, cell survival and proliferation. The CD3 antigen is present on 68-82% of normal peripheral blood lymphocytes, 65-85% of thymocytes and Purkynje cells in the cerebellum. It is never expressed on B or NK cells. Decreased percentages of T lymphocytes may be observed in some autoimmune diseases.

### Overview

Product Name	Anti-Ms CD3 Purified Cd3e Monoclonal Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Ms CD3 Purified Cd3e Monoclonal Antibody (Catalog# M02675). Tested in Flow Cytometry, IP, IHC-F, ICC application(s). This antibody reacts with Mouse.
Application	Flow Cytometry, IP, IHC-F, ICC
Clonality	Monoclonal 145-2C11
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Hamster
Uniprot ID	P22646

### Technical Details

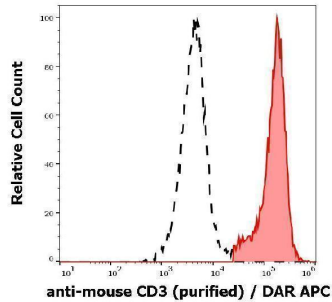
Immunogen	Mouse BM10-37 cytotoxic T lymphocytes. The Armenian hamster monoclonal antibody 145-2C11 reacts with an extracellular epitope of murine CD3 (epsilon subunit). This antibody is commonly used as a phenotypic marker for murine T cells.
Isotype	Armenian Hamster IgG kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

Suggested Dilutions

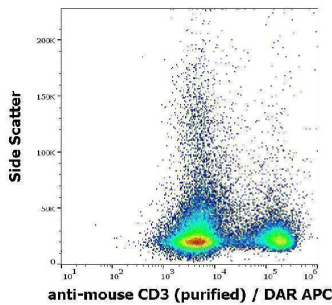
Flow cytometry: 1-2 ug / ml (million cells).

Immunoprecipitation: 1-2 ug / 100-500 ug protein in 1 ml of a cell lysate.

## Anti-Ms CD3 Purified Cd3e Monoclonal Antibody (M02675) Images



Separation of murine CD3 positive splenocytes (red-filled) from CD3 negative splenocytes (black-dashed) in flow cytometry analysis (surface staining) of murine splenocyte suspension stained using anti-mouse CD3 (145-2C11) purified antibody (concentration in sample 4 µg/ml) DAR APC.



Flow cytometry surface staining pattern of murine splenocyte suspension stained using anti-mouse CD3 (145-2C11) purified antibody (concentration in sample 4 µg/ml) DAR APC.

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