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30-2801: Anti-Ms CD3 Purified

Clonality :	Monoclonal
Clone Name :	145-2C11
Application :	FACS, IP, IHC-Fr, ICC
Reactivity :	Mouse
Gene :	CD3E
Gene ID :	12501
Uniprot ID :	P22646
Format :	Purified
Alternative Name :	CD3 antigen, epsilon polypeptide CD3E, T3E, TCRE
Immunogen Information :	Mouse BM10-37 cytotoxic T lymphocytes

Description

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.
Specificity :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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-2 Ã□Âµg / ml (million cells).
Immunoprecipitation: Recommended dilution: 1-2 Ã□Âµg / 100-500 Ã□Âµg protein in 1 ml of a cell lysate.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.