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Product datasheet for AM12132PU-N

Cd3e Hamster Monoclonal Antibody [Clone ID: 145-2C11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	145-2C11
Applications:	FC, FN, IF, IHC, IP
Recommended Dilution:	**Flow Cytometry:** 1 µg/ml (million cells). **Immunoprecipitation:** 1-2 µg/100-500 µg protein in 1 ml cell lysate. **Immunohistochemistry on Frozen Sections.** **Immunofluorescence.** **Functional Application:** Induction of T cell activation, proliferation or apoptosis (depending on conditions); in vivo T cell depletion.
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Mouse BM10-37 cytotoxic T lymphocytes
Specificity:	This antibody reacts with Mouse CD3 (epsilon subunit). It is commonly used as a phenotypic marker for Mouse T cells.
Formulation:	PBS, pH~7.4 State: Purified State: Liquid purified IgG fraction (> 95% pure by SDS-PAGE) Preservative: 15mM Sodium Azide
Concentration:	lot specific
Purification:	Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. **DO NOT FREEZE!**
Stability:	Shelf life: one year from despatch.
Gene Name:	CD3 antigen, epsilon polypeptide

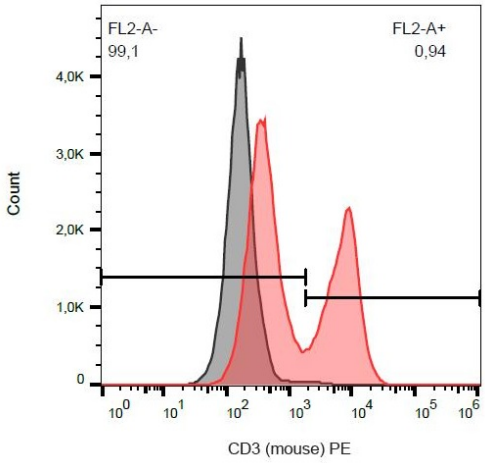
View online »

Database Link: Entrez Gene 12501 Mouse
P22646

Background: 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 superfamily 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.

Synonyms: T3/Leu-4

Product images:



Surface staining of CD3 in murine splenocytes with anti-CD3 (145-2C11) PE.