

## 43-1084: Monoclonal Antibody to Mouse CD3e NALE™ Purified (Clone: 145-2C11)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	145-2C11
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Cd3e
<b>Gene ID :</b>	12501
<b>Uniprot ID :</b>	P22646
<b>Alternative Name :</b>	T-cell surface antigen T3/Leu-4 epsilon chain
<b>Isotype :</b>	Armenian Hamster IgG

### Description

The 145-2C11 monoclonal antibody reacts with mouse CD3e, the 20 kDa Epsilon chain of the TCR complex. Together with the Gamma and Delta subunits of CD3, the Epsilon subunits are involved in the assembly, trafficking, and surface expression of T-cell receptor complex. CD3 is expressed on thymocytes, mature T cells, and natural killer T cells, and the Epsilon chain enhances the antigen recognition. The 145-2C11 antibody binds to the TCR complex and, depending on the conditions, initiates T cells activation, proliferation and apoptosis. The soluble antibody seems to block lysis of target cells by antigen-specific cytotoxic T lymphocytes. The 145-2C11 antibody does not cross-react with the rat leukocytes, and it is used as a phenotypic marker for mouse T lymphocytes.

### Product Info

<b>Amount :</b>	500 µg
<b>Content :</b>	2 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
<b>Storage condition :</b>	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

### Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.