9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

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

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

Amount :	500 µg
Content :	2 mg/ml in Phosphate-buffered aqueous solution, ph7.2.
Storage condition :	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.

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