

Anti-Hu CD3 zeta (pY72) Purified CD247 Monoclonal Antibody

Catalog Number: M02421-2

About CD247

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 (CD247). 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.

Overview

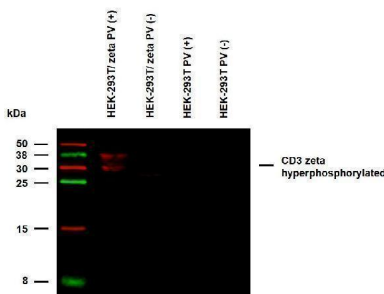
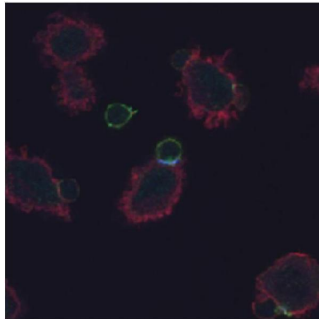
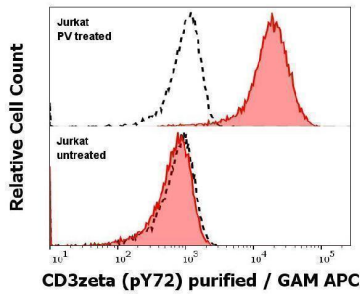
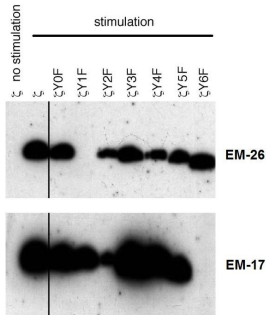
Product Name	Anti-Hu CD3 zeta (pY72) Purified CD247 Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Hu CD3 zeta (pY72) Purified CD247 Monoclonal Antibody (Catalog# M02421-2). Tested in Flow Cytometry, WB, ICC application(s). This antibody reacts with Mouse, Human.
Application	Flow Cytometry, ICC, WB
Clonality	Monoclonal EM-26
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P20963

Technical Details

Immunogen	A phospho specific peptide corresponding to the amino acids surrounding tyrosine 72 of mouse CD3 zeta linked to KLH. The mouse monoclonal antibody EM-26 recognizes phosphorylated intracellular tyrosine 72 of CD3 zeta chain (CD247), which is a component of TCR/CD3 complex expressed on T cells.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	1 mg/ml

Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Western blotting: 2 - 5 ug/ml; positive control: Jurkat cells lysate treated with pervanadate, splenocyte lysate of Balb/c or F1 mouse treated with pervanadate, non-reducing conditions recommended. Flow cytometry: Intracellular staining; recommended dilution: 1-9 ug/ml; positive control: Jurkat cells treated with pervanadate, T-cells from lymph nodes of OT-1 mouse treated with pervanadate.

Anti-Hu CD3 zeta (pY72) Purified CD247 Monoclonal Antibody (M02421-2) Images



Western blot detection.

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