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30-2036: Anti-CD3 zeta (CD247) Monoclonal Antibody (Clone:H146-968)-FITC Conjugated(Discontinued)

Clonality :	Monoclonal
Clone Name :	H146-968
Application :	FACS, IP, WB, ICC
Reactivity :	Human, Mouse
Conjugate :	FITC
Gene :	CD247
Gene ID :	919
Uniprot ID :	P20963
Alternative Name :	CD247,CD3Z,T3Z,TCRZ
Isotype :	Hamster IgG
Immunogen Information :	Synthetic peptide corresponding to amino acids 151-164 of mouse CD3 zeta.

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 (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.

Product Info

Amount :	0.1 mg
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

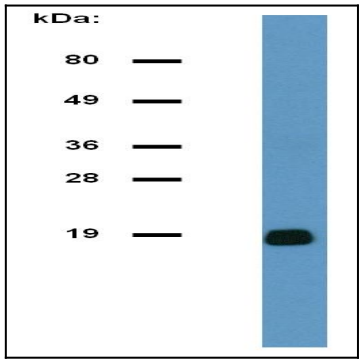


Figure 1: Western blotting analysis of CD3 zeta (CD247) in lysate of murine splenocytes (reducing conditions) by the monoclonal antibody H146-968.

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