

### 30-1029: Anti-CD3 zeta/ CD247 Monoclonal Antibody (Clone:H146-968)-Azide free(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	H146-968
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD247
<b>Gene ID :</b>	919
<b>Uniprot ID :</b>	P20963
<b>Alternative Name :</b>	CD247,CD3Z,T3Z,TCRZ,CD247,CD3 zeta
<b>Isotype :</b>	Hamster IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Western Blotting** *Recommended dilution:* 1 µg/ml

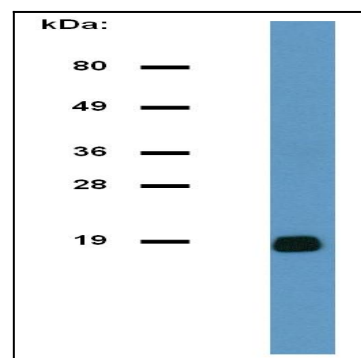


Figure 1: Western blotting analysis of CD3 zeta (CD247) in lysate of murine splenocytes (reducing conditions) by the monoclonal antibody H146-968.