

## 30-1586: Anti-CD137 / 4-1BB Monoclonal Antibody (Clone:4B4-1)-Low Endotoxin

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	4B4-1
<b>Application :</b>	FACS, IP, ELISA, Functional Assay
<b>Reactivity :</b>	Human, Non-Human Primates
<b>Gene :</b>	TNFRSF9
<b>Gene ID :</b>	3604
<b>Uniprot ID :</b>	Q07011
<b>Format :</b>	Low Endotoxin
<b>Alternative Name :</b>	TNFRSF9,CD137,ILA
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Recombinant human CD137 ectodomain

### Description

CD137, also known as TNFRSF9 or 4-1BB, is an inducible costimulatory molecule expressed mainly on activated T cells. Its ligand, known as 4-1BBL, is expressed on activated macrophages, mature B cells, hematopoietic stem cells, and myeloid progenitor cells. CD137 signaling leads to maintaining the survival of activated T cells and CD8+ memory T cells, and clonal expansion of T cells, but also to suppressing myelopoiesis and dendritic cell development. Triggered CD137 induces a cytokine release profile regulating peripheral monocyte survival. Soluble forms of CD137 may provide negative control mechanism for some immune responses.

### 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

**Flow Cytometry Immunoprecipitation ELISA Functional Application** inhibition of cytokine production