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

Clonality: Monoclonal Clone Name: 4B4-1

**Application :** FACS, IP, ELISA, Functional Assay **Reactivity :** Human, Non-Human Primates

Gene : TNFRSF9
Gene ID : 3604
Uniprot ID : Q07011

Format: Low Endotoxin
Alternative Name: TNFRSF9,CD137,ILA

**Isotype:** Mouse IgG1

Immunogen Information: 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**

Amount: 0.1 mg

**Purification :** Purified by protein-A affinity chromatography

**Storage condition :** Store at 2-8°C. Do not freeze.

## **Application Note**

Flow Cytometry Immunoprecipitation ELISA Functional Application inhibition of cytokine production