
Product Name: CD137 Mouse Monoclonal Antibody**Catalog #: AMM82476**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	27.9kDa

Antigen Information

Gene Name	CD137
Alternative Names	TNFRSF9; ILA; 4-1BB; CDw137
Gene ID	3604.0
SwissProt ID	Q07011
Immunogen	Purified recombinant fragment of human CD137 (AA: 214-255) expressed in E. Coli.

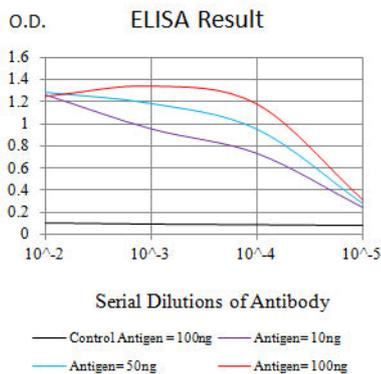
Background

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The

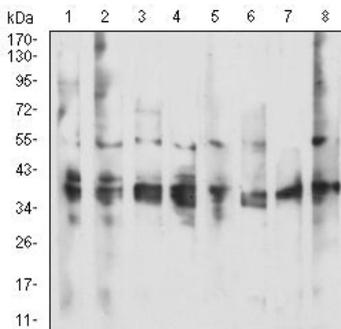
expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB.

Research Area

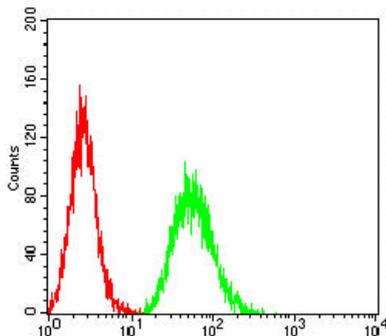
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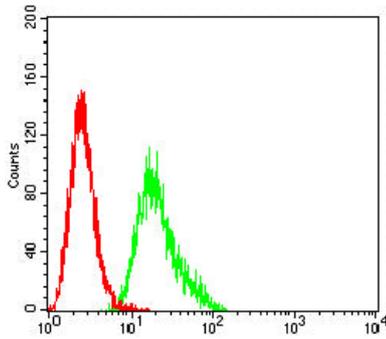
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using CD137 mouse mAb against HepG2 (1), Jurkat (2), MOLT4 (3), HL-60 (4), THP-1 (5), Ramos (6), K562 (7), and Raji (8) cell lysate.



Flow cytometric analysis of HL-60 cells using CD137 mouse mAb (green) and negative control (red).



Flow cytometric analysis of THP-1 cells using CD137 mouse mAb (green) and negative control (red).