

**CD137**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2682a**

**Specification**

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**CD137 - Product Information**

Application	<b>E, WB</b>
Primary Accession	<a href="#">Q07011</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Mouse IgG1</b>
Calculated MW	<b>27.9kDa KDa</b>

**Immunogen**

Purified recombinant fragment of human CD137 (AA: extra 24-186) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**CD137 - Additional Information**

**Gene ID** 3604

**Other Names**

TNFRSF9; ILA; 4-1BB; CDw137

**Dilution**

E~~ 1/10000

WB~~ 1/500 - 1/2000

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CD137 is for research use only and not for use in diagnostic or therapeutic procedures.

**CD137 - Protein Information**

**Name** TNFRSF9

**Synonyms** CD137, ILA

**Function**

Receptor for TNFSF9/4-1BBL. Conveys a signal that enhances CD8(+) T-cell survival, cytotoxicity, and mitochondrial activity, thereby promoting immunity against viruses and tumors (Probable).

### Cellular Location

Cell membrane; Single-pass type I membrane protein

### Tissue Location

Expressed on the surface of activated T-cells.

### CD137 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CD137 - Images

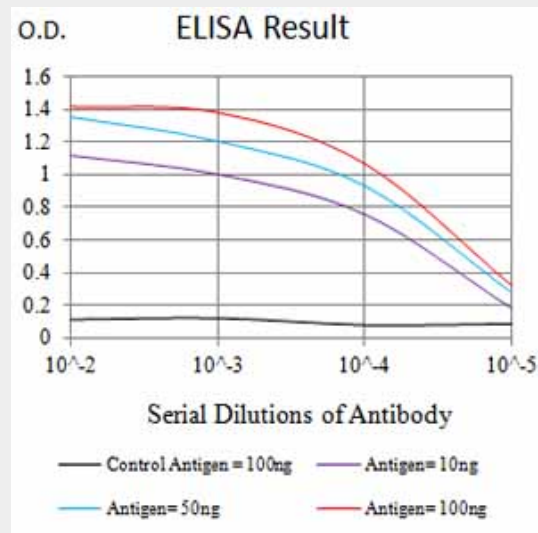


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

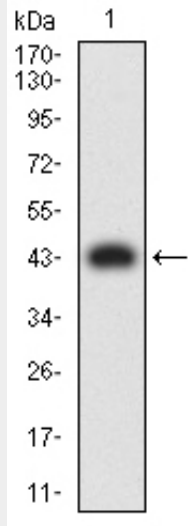


Figure 2:Western blot analysis using CD137 mAb against human CD137 (AA: extra 24-186) recombinant protein. (Expected MW is 43.2 kDa)

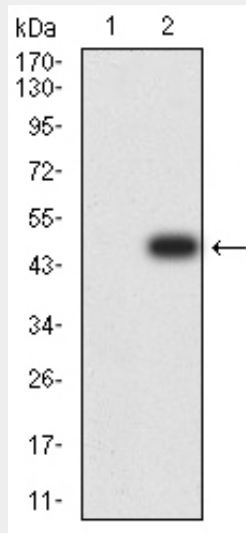


Figure 3:Western blot analysis using CD137 mAb against HEK293 (1) and CD137 (AA: extra 24-186)-hlgGfc transfected HEK293 (2) cell lysate.

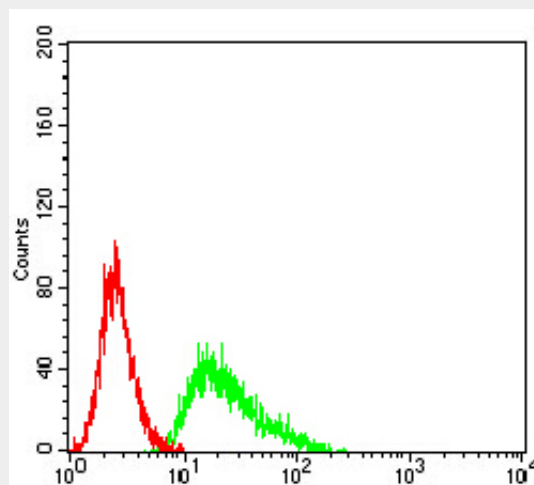


Figure 4:Flow cytometric analysis of Ramos cells using CD137 mouse mAb (green) and negative

control (red).

**CD137 - References**

1.Clin Cancer Res. 2014 Jan 1;20(1):44-55.2.Cancer Res. 2013 Jan 15;73(2):652-61.