

# **CD137**

Purified Mouse Monoclonal Antibody Catalog # AO2682a

#### **Product Information**

**Application** WB, IHC, ICC, E

Primary Accession

Reactivity

Host

Clonality

Clone Names

Isotype

Mouse IgG1

Calculated MW

Q07011

Human

Mouse

Mouse

Monoclonal

4G10B9

Mouse IgG1

27899

**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

### **Additional Information**

Gene ID 3604

Other Names TNFRSF9; ILA; 4-1BB; CDw137

**Dilution** WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000

**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.

#### **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.

## References

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

# **Images**

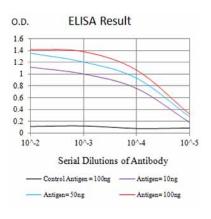


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

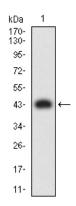


Figure 2:Western blot analysis using CD137 mAb against human CD137 (AA: extra 24-186) recombinant protein. (Expected MW is 43.2 kDa)

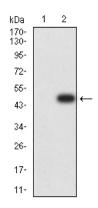


Figure 3:Western blot analysis using CD137 mAb against HEK293 (1) and CD137 (AA: extra 24-186)-hIgGFc transfected HEK293 (2) cell lysate.

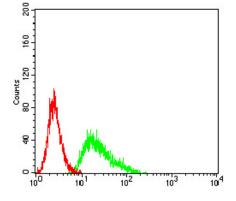


Figure 4:Flow cytometric analysis of Ramos cells using CD137 mouse mAb (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.