

## Mouse CD137 Monoclonal Antibody | anti-CD137 antibody

Anti-Hu CD137 APC

| CATALOG # | HOST  | REACTIVITY                | APPLICATIONS                     |
|-----------|-------|---------------------------|----------------------------------|
| AAA128348 | Mouse | Human, Non-human primates | Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

CD137; Monoclonal Antibody; Anti-Hu CD137 APC; TNF receptor superfamily member 9; TNFRSF9; 41BB; 4-1BB; MGC2172; anti-CD137 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                           |
| Reactivity                                      | Human, Non-human primates                                                                                                                                                                                       |
| Clonality                                       | Monoclonal                                                                                                                                                                                                      |
| Isotype                                         | IgG1 kappa                                                                                                                                                                                                      |
| Clone Number                                    | 4B4-1                                                                                                                                                                                                           |
| Specificity                                     | The mouse monoclonal antibody 4B4-1 recognizes an extracellular conformational epitope on CD137, an approximately 40 kDa type I transmembrane protein of the TNFR family expressed mainly on activated T cells. |
| Purity/Purification                             | The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.                                                            |
| Form/Format                                     | Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide                                                                                                                              |
| Sequence Length                                 | 255                                                                                                                                                                                                             |
| Applicable Applications for anti-CD137 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                       |
| Immunogen                                       | Recombinant human CD137 ectodomain                                                                                                                                                                              |
| Conjugation                                     | APC                                                                                                                                                                                                             |
| Preparation and Storage                         | Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.                                                                                                                            |

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD137 antibody | 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. |
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### NCBI AND UNIPROT INFORMATION

|                           |                             |
|---------------------------|-----------------------------|
| NCBI GI #                 | <a href="#">5730095</a>     |
| NCBI GeneID               | <a href="#">3604</a>        |
| NCBI Accession #          | <a href="#">NP_001552.2</a> |
| NCBI GenBank Nucleotide # | <a href="#">NP_001552.2</a> |

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| UniProt Accession #              | Q07011                                              |
| NCBI Official Full Name          | tumor necrosis factor receptor superfamily member 9 |
| NCBI Official Synonym Full Names | TNF receptor superfamily member 9                   |
| NCBI Official Symbol             | TNFRSF9                                             |
| NCBI Official Synonym Symbols    | ILA; 4-1BB; CD137; CDw137                           |
| NCBI Protein Information         | tumor necrosis factor receptor superfamily member 9 |
| UniProt Protein Name             | Tumor necrosis factor receptor superfamily member 9 |
| UniProt Gene Name                | TNFRSF9                                             |
| UniProt Synonym Gene Names       | CD137; ILA                                          |
| UniProt Entry Name               | TNR9_HUMAN                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd137-antibody-clone-4b4-1-flow-cytometry-elisa/128348>