

RecomAb™

# TNFRSF9 recombinant monoclonal antibody, clone 4B4-1-1

Catalog # RAB03645      Size 200 ug

## Specification

Product Description	Mouse recombinant monoclonal antibody raised against human TNFRSF9.
Antibody Species	Mouse
Immunogen	Original antibody is raised against a fusion protein of human TNFRSF9 antigen and glutathione s transferase (GST).
Reactivity	Human
Form	Liquid
Conjugation	Unconjugated
Concentration	batch dependent
Isotype	IgG1 kappa
Recommend Usage	Blocking ELISA Flow Cytometry Immunohistochemistry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay

- Blocking
- Flow Cytometry

## Gene Info — TNFRSF9

Entrez GeneID [3604](#)

Gene Name TNFRSF9

Gene Alias 4-1BB, CD137, CDw137, ILA, MGC2172

Gene Description tumor necrosis factor receptor superfamily, member 9

Omim ID [602250](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** 4-1BB ligand receptor|CD137 antigen|OTTHUMP00000001360|OTTHUMP00000044294|T cell antigen ILA|homolog of mouse 4-1BB|induced by lymphocyte activation (ILA)|interleukin-activated receptor, homolog of mouse Ly63|receptor protein 4-1BB

## Pathway

- [Cytokine-cytokine receptor interaction](#)

## Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)