

## Anti-TNFRSF18 Mouse Monoclonal Antibody [Clone ID: OTI4A9]

Catalog Number: M03125

### About TNFRSF18

Tumor necrosis factor receptor superfamily member 18 (TNFRSF18), also called GITR or AITR is a protein that in humans is encoded by the TNFRSF18 gene. This gene is mapped to 1p36.33. This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25 (+)CD4 (+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

### Overview

Product Name	Anti-TNFRSF18 Mouse Monoclonal Antibody [Clone ID: OTI4A9]
Reactive Species	Human
Description	Boster Bio TNFRSF18 mouse monoclonal antibody, clone OTI4A9 (formerly 4A9). Catalog# M03125. Tested in FC, WB. This antibody reacts with Human.
Conjugate	Unconjugated
Application	Flow Cytometry, WB
Clonality	Monoclonal OTI4A9
Formulation	PBS (pH 7.3) containing 1% stabilizing protein, 50% glycerol and 0.02% sodium azide. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C as received.
Host	Mouse
Uniprot ID	Q9Y5U5

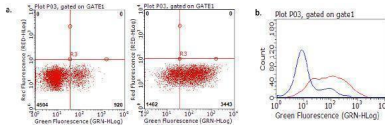
### Technical Details

Immunogen	Human recombinant protein fragment corresponding to amino acids 26-162 of human TNFRSF18 (NP_004186) produced in E.coli.
Isotype	IgG1
Concentration	1 mg/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)

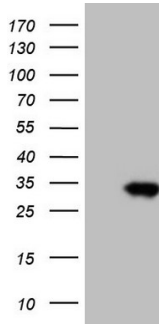
Suggested Dilutions

WB 1:2000

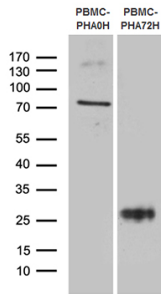
## Anti-TNFRSF18 Mouse Monoclonal Antibody [Clone ID: OTI4A9] (M03125) Images



Flow cytometric analysis of TNFRSF18 expression on living stimulated human peripheral blood mononuclear cells (PBMCs). Unstimulated PBMCs



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TNFRSF18 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TNFRSF18.



Western blot analysis of human peripheral blood mononuclear cells (PBMCs) by using anti-TNFRSF18 monoclonal antibody. Left: Unstimulated PBMC. Right: PBMC stimulated with 10ug/ml Phytohemagglutinin for 3 days.

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