BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-IRG1/ACOD1 Antibody (Monoclonal, 33A14)

Catalog Number: M13250

About Acod1

Enables aconitate decarboxylase activity and protein homodimerization activity. Involved in several processes, including cellular response to cytokine stimulus; regulation of defense response; and regulation of gene expression. Acts upstream of or within response to lipopolysaccharide. Located in mitochondrion. Orthologous to human ACOD1 (aconitate decarboxylase 1).

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Overview

Product Name	Anti-IRG1/ACOD1 Antibody (Monoclonal, 33A14)
Reactive Species	Mouse
Description	Boster Bio Anti-IRG1/ACOD1 Antibody (Monoclonal, 33A14) catalog # M13250. Tested in WB, ICC/IF applications. This antibody reacts with Mouse.
Application	IF, ICC, WB
Clonality	Monoclonal 33A14
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. 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 for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P54987

Technical Details

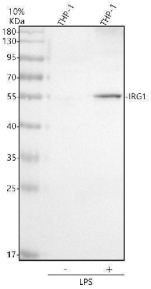
Immunogen	Recombinant protein within mouse IRG1 aa 3-486.
Form	Liquid

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Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunocytochemistry/Immunofluorescence, 1:50-200

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Anti-IRG1/ACOD1 Antibody (Monoclonal, 33A14) (M13250) Images



Western blot analysis of IRG1/ACOD1 using anti-IRG1/ACOD1 antibody (M13250). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human THP-1 whole cell lysates, Lane 2: human THP-1+LPS whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IRG1/ACOD1 antigen affinity purified monoclonal antibody (M13250) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for IRG1/ACOD1 at approximately 54 kDa. The expected band size for IRG1/ACOD1 is at 54 kDa.

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For Research Use Only. Not for use in diagnostic procedures.