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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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TCIRG1 monoclonal antibody (M02), clone 7H20

Catalog # : H00010312-M02

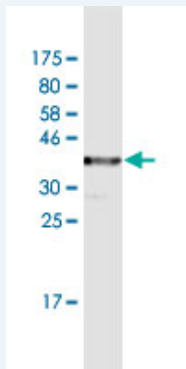
規格 : [50 ug]

List All

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant TCIRG1.
Immunogen:	TCIRG1 (AAH18133, 121 a.a. ~ 220 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	QLHQLQLHAAVLRQGHEPQLAAAHTDGASERTPLLQAPGGPHQDLRVN FVAGAVEPHKAPALERLLWRACRGFLIASFRELEQPLEHPVTGEPATWM TFL
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Publication Reference

1. [A comparison of osteoclast-rich and osteoclast-poor osteopetrosis in adult mice sheds light on the role of the osteoclast in coupling bone resorption and bone formation.](#) Thudium CS, Moscatelli I, Flores C, Thomsen JS, Bruel A, Gudmann NS, Hauge EM, Karsdal MA, Richter J, Henriksen K *Calcif Tissue Int.* 2014 Jul;95(1):83-93. doi: 10.1007/s00223-014-9865-4. Epub 2014 May 18.

Applications

Western Blot (Recombinant protein)

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [10312](#)

GeneBank
Accession#: [BC018133](#)

Protein
Accession#: [AAH18133](#)

Gene Name: TCIRG1

Gene Alias: ATP6N1C,ATP6V0A3,Atp6i,OC-116kDa,OC116,OPTB1,Stv1,TIRC7,Vph1,a3

Gene
Description: T-cell, immune regulator 1, ATPase, H⁺ transporting, lysosomal V0 subunit A3

Omim ID: [259700](#), [604592](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Through alternate splicing, this gene encodes two proteins with similarity to subunits of the vacuolar ATPase (V-ATPase) but the encoded proteins seem to have different functions. V-ATPase is a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. V-ATPase is comprised of a cytosolic V1 domain and a transmembrane V0 domain. Mutations in this gene are associated with infantile malignant osteopetrosis. [provided by RefSeq]

Other Designations: ATPase, H⁺ transporting, 116kD,T cell immune response cDNA7 protein,T-cell immune regulator 1,T-cell, immune regulator 1,T-cell, immune regulator 1, ATPase, H⁺ transporting, lysosomal V0 protein A3,T-cell, immune regulator 1, ATPase, H⁺ transporting, lyso

Gene Pathway

[Epithelial cell signaling in Helicobacter pylori infection](#) [Lysosome](#) [Metabolic pathways](#)
[Oxidative phosphorylation](#) [Vibrio cholerae infection](#)

Related Disease

[Genetic Predisposition to Disease](#) [Osteopetrosis](#) [Osteoporosis](#)