



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## TCIRG1 monoclonal antibody (M01), clone 6H3

Catalog # : H00010312-M01

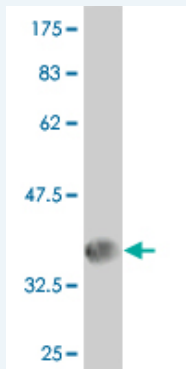
規格 : [ 100 ug ]

List All

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant TCIRG1.
<b>Immunogen:</b>	TCIRG1 (AAH18133, 121 a.a. ~ 220 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	QLHQLQLHAAVLRQGHEPQLAAAHTDGASERTPLLQAPGGPHQDLRVN FVAGAVEPHKAPALERLLWRACRGFLIASFRELEQPLEHPVTGEPATWM TFL
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2a 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 specific subtype of osteoclasts secretes factors inducing nodule formation by osteoblasts.](#)  
Henriksen K, Andreassen KV, Thudium CS, Gudmann KN, Moscatelli I, Cruger-Hansen CE, Schulz AS, Dziegiel MH, Richter J, Karsdal MA, Neutzsky-Wulff AV. *Bone*. 2012 Jun 19;51(3):353-361.
2. [Impaired gastric acidification negatively affects calcium homeostasis and bone mass.](#)  
Schinke T, Schilling AF, Baranowsky A, Seitz S, Marshall RP, Linn T, Blaeker M, Huebner AK, Schulz A, Simon R, Gebauer M, Priemel M, Kornak U, Perkovic S, Barvencik F, Beil FT, Del Fattore A, Frattini A, Streichert T, Pueschel K, Villa A, Debatin KM, RiegNat Med. 2009 Jun;15(6):674-81. [Click here to read](#)


3. [Differential Localization of Vacuolar H<sup>+</sup>-ATPases Containing a1, a2, a3, or a4 \(ATP6V0A1-4\) Subunit Isoforms Along the Nephron.](#)

Schulz N, Dave MH, Stehberger PA, Chau T, Wagner CA. Cell Physiol Biochem. 2007;20(1-4):109-20.

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## Applications

Western Blot (Recombinant protein)

 [Protocol Download](#)

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ELISA

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## Gene Information

Entrez GeneID: [10312](#)

GeneBank [BC018133](#)

Accession#:

Protein [AAH18133](#)

Accession#:

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<sup>+</sup> 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<sup>+</sup> 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<sup>+</sup> transporting, lysosomal V0 protein A3,T-cell, immune regulator 1, ATPase, H<sup>+</sup> transporting, lyso

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## Gene Pathway

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

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## Related Disease

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