



# 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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## Datasheet

### **MAT1A monoclonal antibody (M01), clone 4D11**

**Catalog Number:** H00004143-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full-length recombinant MAT1A.

**Clone Name:** 4D11

**Immunogen:** MAT1A (AAH18359, 1 a.a. ~ 395 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MNGPVDGLCDHSLSEGVMFTSESVGEGHPDKICDQI  
SDAVLDAHLKQDPNAKVACETVCKTGMVLLCGEITSM  
AMVDYQRVVRDTIKHIGYDDSAKGFDFKTCNVLVALE  
QQSPDIAQC VHLDRNEEDVGAGDQGLMFGYATDETE  
ECMPLTIILAHKLNARMADLRRSGLLPWLRPDSKTQVT  
VQYMQDNGAVIPVRIHTIVISVQHNEEDITLEEMRRALKE  
QVIRAVVPAKYLDEDTVYHLQPSGRFVIGGPQGDAGV  
TGRKIIVDTYGGWGAHGGGAFSGKDYTKVDRSAAYAA  
RWWAKSLVKAGLCRRVLVQVSYAIGVAEPLSISIFTYGT  
SQKTERELLDVVHKNFDLRPGVIVRDLDLKKPIYQKTA  
CYGHFGRSEFPWEVPRKLVF

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IP, S-ELISA, WB-Re, WB-Tr  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

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

**Entrez GeneID:** 4143

**Gene Symbol:** MAT1A

**Gene Alias:** MAT, MATA1, SAMS, SAMS1

**Gene Summary:** This gene catalyzes a two-step reaction that involves the transfer of the adenosyl moiety of ATP to methionine to form S-adenosylmethionine and triphosphosphate, which is subsequently cleaved to PPI and Pi. S-adenosylmethionine is the source of methyl groups for most biological methylations. The encoded protein is found as a homotetramer (MAT I) or a homodimer (MAT III) whereas a third form, MAT II (gamma), is encoded by the MAT2A gene. Mutations in this gene are associated with methionine adenosyltransferase deficiency. [provided by RefSeq]