



# 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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[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## STAT5B monoclonal antibody (M03), clone 2D1

Catalog # : H00006777-M03

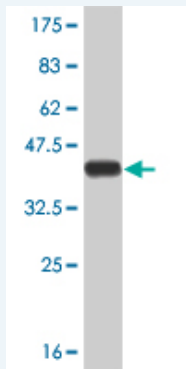
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant STAT5B.
<b>Immunogen:</b>	STAT5B (NP_036580, 678 a.a. ~ 787 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	VYSKYYPVPCESATAKAVDGYVVKPQIKQVVPEFVNASADAGGGSATYMDQAPSPAVCQAHYNYMQNPDSVLDTDGDFDLEDTMDVARRVEELGRPMDSQWIPHAQS
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG1 Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.84 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](#)

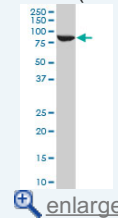
**Datasheet:** [Download](#)

### Applications

Western Blot (Cell lysate)

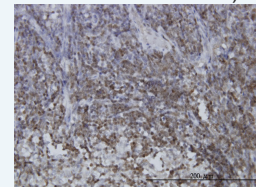
### Application Image

Western Blot (Cell lysate)



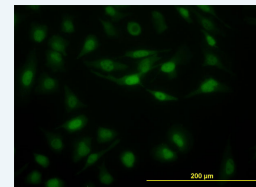
Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



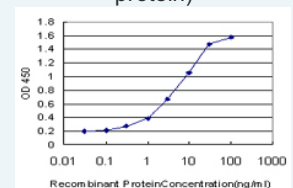
[enlarge](#)

Immunofluorescence



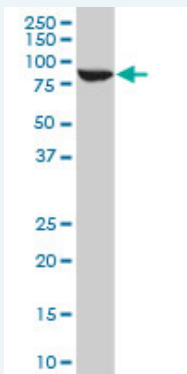
[enlarge](#)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



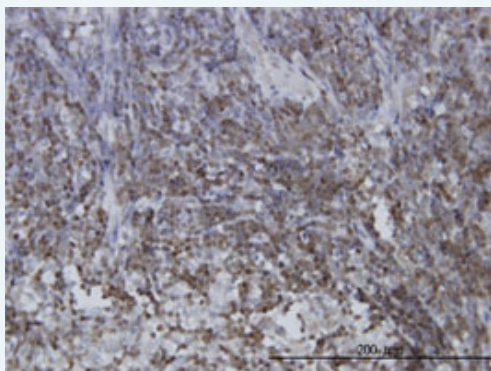
STAT5B monoclonal antibody (M03), clone 2D1 Western Blot analysis of STAT5B expression in HeLa ( Cat # L013V1 ).

[Protocol Download](#)

#### Western Blot (Recombinant protein)

[Protocol Download](#)

#### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

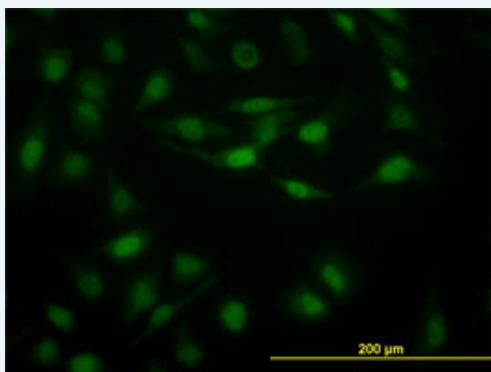


[enlarge this image](#)

Immunoperoxidase of monoclonal antibody to STAT5B on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 1.5 ug/ml]

[Protocol Download](#)

#### Immunofluorescence

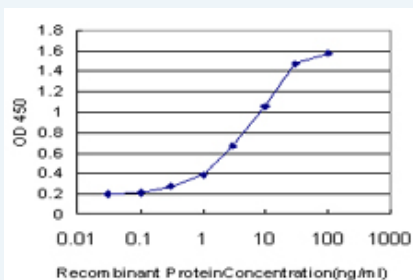


[enlarge this image](#)

Immunofluorescence of monoclonal antibody to STAT5B on HeLa cell. [antibody concentration 10 ug/ml]

[Protocol Download](#)

#### Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged STAT5B is approximately 0.3ng/ml as a capture antibody.

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**ELISA**


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**Gene Information**


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**Entrez GeneID:** [6777](#)


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**GeneBank Accession#:** [NM\\_012448](#)


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**Protein Accession#:** [NP\\_036580](#)


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**Gene Name:** STAT5B

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**Gene Alias:** STAT5

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**Gene Description:** signal transducer and activator of transcription 5B

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**Omim ID:** [245590](#), [604260](#)


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**Gene Ontology:** [Hyperlink](#)


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**Gene Summary:** The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small subset of acute promyelocytic leukemias (APLL). The dysregulation of the signaling pathways mediated by this protein may be the cause of the APLL. [provided by RefSeq]

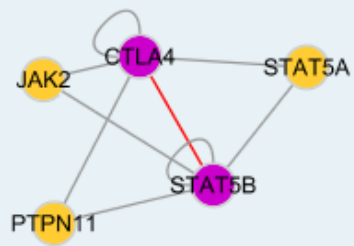
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**Other Designations:** transcription factor STAT5B

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**Interactome**


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### Gene Pathway

[Acute myeloid leukemia](#) [Chemokine signaling pathway](#) [Chronic myeloid leukemia](#)  
[ErbB signaling pathway](#) [Jak-STAT signaling pathway](#) [Pathways in cancer](#)

### Related Disease

[Birth Weight](#) [Breast cancer](#) [Breast Neoplasms](#) [Cardiovascular Diseases](#) [Cleft Lip](#)  
[Cleft Palate](#) [Diabetes Mellitus, Type 2](#) [Edema](#) [Genetic Predisposition to Disease](#)  
[Glioblastoma](#) [Glioma](#) [Leukemia](#) [Leukemia, Myeloid, Acute](#) [Meningeal Neoplasms](#)  
[Meningioma](#) [Tooth Abnormalities](#)

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