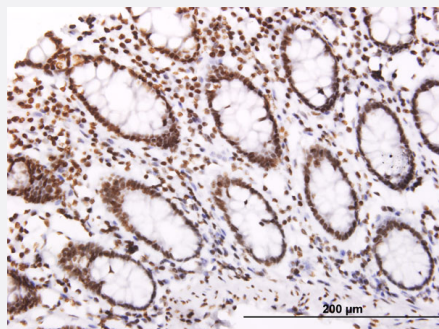


SOCS3 monoclonal antibody (M02), clone 1E4

Catalog # H00009021-M02

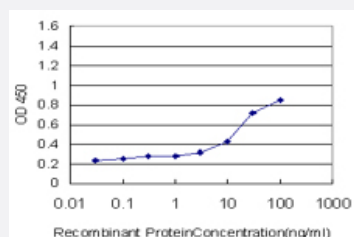
Size 100 ug

Applications



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

Immunoperoxidase of monoclonal antibody to SOCS3 on formalin-fixed paraffin-embedded human colon. [antibody concentration 1.5 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SOCS3 is approximately 3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to SOCS3 on HeLa cell . [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant SOCS3.

Immunogen	SOCS3 (AAH60858, 1 a.a. ~ 225 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MVTHSKFPAAGMSRPLDTSLRLKTFSSKSEYQLVVNAVRKLQESGFYWSAVTGGEANLLLSAEP AGTFLIRDSSDQRHFFTLVKTQSGTKNLRIQCEGGSFSLQSDPRSTQPVPRFDCVLKLVHHYMP PPGAPSPSPPTEPSSEVPEQPSAQPLPGSPPRRAYIYSGGEKIPLVLSRPLSSNVATLQHLCR KTVNGHLDSYEKVTQLPGPIREFLDQYDAPL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (95)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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

Immunoperoxidase of monoclonal antibody to SOCS3 on formalin-fixed paraffin-embedded human colon. [antibody concentration 1.5 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SOCS3 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to SOCS3 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — SOCS3

Entrez GeneID [9021](#)

GeneBank Accession#	BC060858
Protein Accession#	AAH60858
Gene Name	SOCS3
Gene Alias	ATOD4, CIS3, Cish3, MGC71791, SOCS-3, SSI-3, SSI3
Gene Description	suppressor of cytokine signaling 3
Omim ID	604176 605805
Gene Ontology	Hyperlink
Other Designations	STAT induced STAT inhibitor 3 cytokine-induced SH2 protein 3

Publication Reference

- [SOCS3 Immunohistochemical Expression Seems to Support the 2005 and 2014 International Society of Urological Pathology \(ISUP\) Modified Gleason Grading System.](#)

Pierconti F, Martini M, Cenci T, Petrone GL, Ricci R, Sacco E, Bassi PF, Larocca LM.

The Prostate 2017 May; 77(6):597.

Application: IHC-P, Human, Human prostatic acinar adenocarcinoma

- [Role of SOCS3 evaluated by immunohistochemical analysis in a cohort of patients affected by prostate cancer: preliminary results.](#)

Calarco A, Pinto F, Pierconti F, Sacco E, Marrucci E, Totaro A, Palermo G, Vittori M, Bassi P.

Urologia 2012 Dec; 79 Suppl 19:4.

Application: IHC, Human, Prostate cancer

- [Epigenetic silencing of SOCS3 identifies a subset of prostate cancer with an aggressive behavior.](#)

Pierconti F, Martini M, Pinto F, Cenci T, Capodimonti S, Calarco A, Bassi PF, Larocca LM.

Prostate 2011 Feb; 71(3):318.

Application: IHC-P, Human, Human prostate cancer

Pathway

- [Adipocytokine signaling pathway](#)
- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)

- [Type II diabetes mellitus](#)
- [Ubiquitin mediated proteolysis](#)

Disease

- [Anorexia Nervosa](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Bronchiolitis](#)
- [Bulimia](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hepatitis C](#)
- [Infant](#)
- [Insulin Resistance](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
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- [Respiratory Syncytial Virus Infections](#)