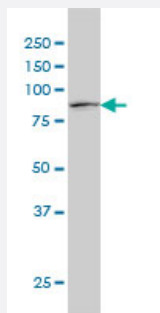


STAT1 monoclonal antibody (M01), clone 1A8

Catalog # H00006772-M01

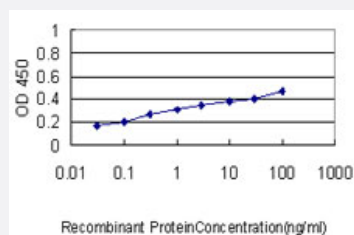
Size 100 ug

Applications



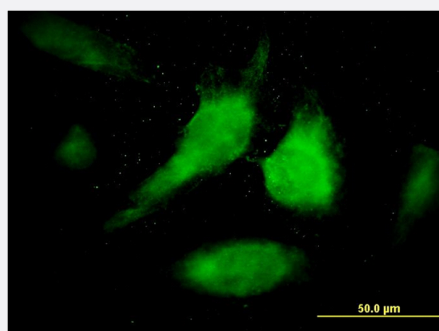
Western Blot (Cell lysate)

STAT1 monoclonal antibody (M01), clone 1A8 Western Blot analysis of STAT1 expression in HeLa (Cat # L013V1).



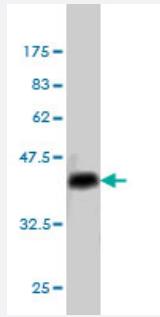
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT1 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to STAT1 on HeLa cell. [antibody concentration 40 ug/ml]



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant STAT1.
Immunogen	STAT1 (AAH02704, 613 a.a. ~ 712 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TFTWVERSQNGGEPDFHAVEPYTKKELSAVTFPDIIRNYKVMAAENIPENPLKLYPNIDKDHAFG KYYSRPKEAPEPEMELDGPKGTGYKTELISVSEV
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

STAT1 monoclonal antibody (M01), clone 1A8 Western Blot analysis of STAT1 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT1 is approximately 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to STAT1 on HeLa cell. [antibody concentration 40 ug/ml]

Gene Info — STAT1

Entrez GeneID [6772](#)

GeneBank Accession# [BC002704](#)

Protein Accession# [AAH02704](#)

Gene Name STAT1

Gene Alias DKFZp686B04100, ISGF-3, STAT91

Gene Description signal transducer and activator of transcription 1, 91kDa

Omim ID [209950](#) [600555](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the STAT protein family. In response to cytokine s 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 can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]

Other Designations

OTTHUMP00000165047|signal transducer and activator of transcription 1|signal transducer and activator of transcription-1|transcription factor ISGF-3 components p91/p84

Pathway

- [Chemokine signaling pathway](#)

- [Jak-STAT signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Campylobacter Infections](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Hepatitis B](#)

- [Hepatitis C](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Neutropenia](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Papillomavirus Infections](#)
- [Proteinuria](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Salmonella Infections](#)
- [Thrombocytopenia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)

- [Viremia](#)
- [Werner syndrome](#)