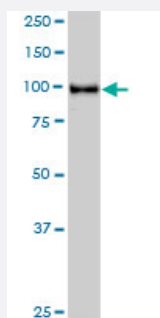


STAT6 monoclonal antibody (M09), clone 4G7

Catalog # H00006778-M09

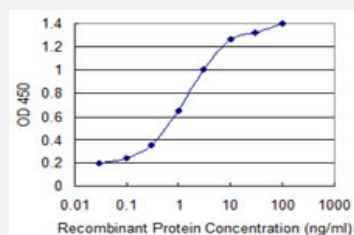
Size 100 ug

Applications



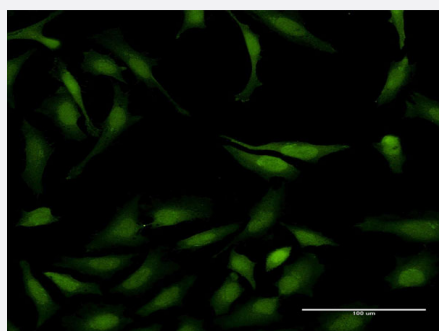
Western Blot (Cell lysate)

STAT6 monoclonal antibody (M09), clone 4G7. Western Blot analysis of STAT6 expression in HeLa S3 NE (Cat # L013V3).



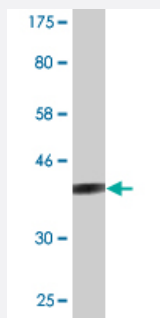
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT6 is 0.03 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to STAT6 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.51 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant STAT6.
Immunogen	STAT6 (NP_003144, 694 a.a. ~ 801 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PPHSHSIPPYQGLSPEESVNVLSAFQEPLQMPPSLGQMSLPFDQPHPQGLLPCQPQEHAVSS PDLLCSDVTMVEDSCLSQPVTAFPQGTWIGEDIFPPLLPPTEQD
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.51 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)

STAT6 monoclonal antibody (M09), clone 4G7. Western Blot analysis of STAT6 expression in Hela S3 NE(Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT6 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to STAT6 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — STAT6

Entrez GeneID [6778](#)

GeneBank Accession# [BC004973](#)

Protein Accession# [NP_003144](#)

Gene Name STAT6

Gene Alias D12S1644, IL-4-STAT, STAT6B, STAT6C

Gene Description signal transducer and activator of transcription 6, interleukin-4 induced

Omim ID [601512](#)

Gene Ontology [Hyperlink](#)

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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. [provided by RefSeq]

Other Designations STAT, interleukin4-induced|signal transducer and activator of transcription 6|transcription factor IL-4 STAT

Pathway

- [Jak-STAT signaling pathway](#)

Disease

- [Anaphylaxis](#)
- [Arthritis](#)
- [Ascariasis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Confusion](#)
- [Crohn Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Hypersensitivity](#)
- [Edema](#)
- [Endometriosis](#)
- [Food Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Graves Disease](#)

- [Hypersensitivity](#)
- [Infant](#)
- [Infertility](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Diseases](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Nausea](#)
- [Neoplasms](#)
- [Nephrosis](#)
- [Nephrotic Syndrome](#)
- [Nut Hypersensitivity](#)
- [Pain](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)