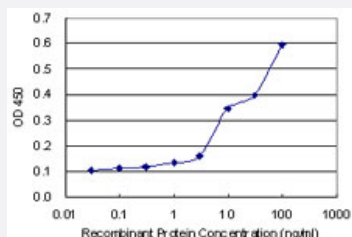


STAT4 monoclonal antibody (M02), clone 2H4-1G8

Catalog # H00006775-M02

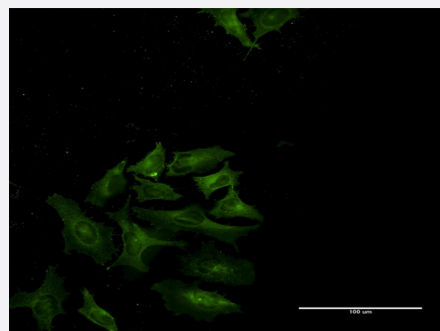
Size 50 ug

Applications



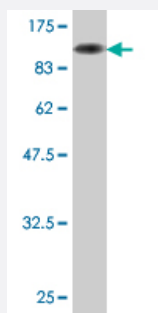
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT4 is 0.3 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to STAT4 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (108.02 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant STAT4.

Immunogen	STAT4 (AAH31212, 1 a.a. ~ 748 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSQWNQVQQLEIKFLEQVDQFYDDNFPMEIRHLLAQWIENQDWEAASNNETMATILLQNLLIQLDEQLGRVSKEKNLLLIHNLKRIRKVLQGKFHGNPMHVAVVISNCLREERRILAAANMPVQGPLEKSLQSSSVSERQRNVEHKVAAIKNSVQMTEQDQTKYLEDLQDEFDYRYKTIQTMDQSDKNSAMVNQEVLTQEMLNSLDFKRKEALSKMTQIIHETDLLMNTMLIEELQDWKRRQQIACIGGPLHNGLDQLQNCFTLLAESLFQLRRQLEKLEEQSTKMTYEGDPIPMQRTHMLERVTFLLYNLFKNSFVVERQPCMPHPQRPLVLKTLIQFTVKLRLLIKLPELNYQVKVKASIDKNVSTLSNRRFVLCGTNVKAMSIEESSNGSLSVEFRHLQPKEMKSSAGGKGNEGCHMVTEELHSITFETQICLYGLTIDLETSSLPVVMISNVSQLPNAWASIIWYNVSTNDSQNLVFFNNPPPATLSQLLEVMSWQFSSYVGRGLNSDQLHMLAEKLTQSSYSDGHLTWAKFCKEHLPGKSFTFTWLEAILDLIKKHILPLWIDGYVMGFVSKEKERLLLKDKMPGTFLRFSESHLGGITFTWDHSESGEVRFHVSVEPYNKGRLSALPFADILRDYKVIMAENIPENPLKYLYPDIPKDKAFGKHYSQPCSVSRPTERGDKGYVPSVFIPISTIRSDSTEPHSPDLLPMSPSVYAVLRENLSPTTIETAMKSPYSAE
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (108.02 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT4 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to STAT4 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — STAT4

Entrez GeneID	6775
GeneBank Accession#	BC031212
Protein Accession#	AAH31212
Gene Name	STAT4
Gene Alias	SLEB11
Gene Description	signal transducer and activator of transcription 4
Omim ID	152700 180300 600558
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 is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. [provided by RefSeq]
Other Designations	OTTHUMP00000163553

Pathway

- [Jak-STAT signaling pathway](#)

Disease

- [Antiphospholipid Syndrome](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Birth Weight](#)

- [Brain Ischemia](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)
- [Giant Cell Arteritis](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Osteoarthritis](#)
- [Proteinuria](#)
- [Psoriasis](#)

- [Pulmonary Fibrosis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Scleroderma](#)
- [Tobacco Use Disorder](#)
- [Uveomeningoencephalitic Syndrome](#)
- [Wegener Granulomatosis](#)