

Product datasheet for **AM06474SU-N**

STAT6 Mouse Monoclonal Antibody [Clone ID: 7D3]

Product data:

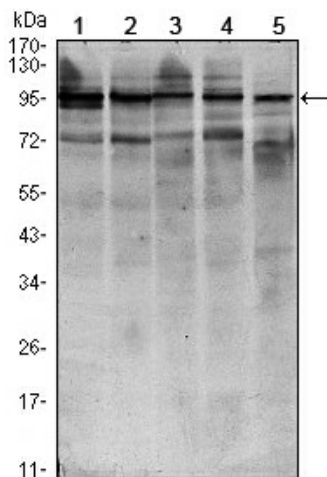
Product Type:	Primary Antibodies
Clone Name:	7D3
Applications:	ELISA, IF, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000.
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human STAT6 expressed in E. Coli.
Specificity:	This antibody reacts to STAT6.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	94 kDa
Gene Name:	signal transducer and activator of transcription 6
Database Link:	Entrez Gene 6778 Human P42226
Background:	STAT6 protein is a transcription factor activated by cytokines, particularly interleukin 4 and IL 13. (STAT6 ^{-/-}) were found to be deficient in IL 4 mediated functions including Th2 helper T cell differentiation, expression of cell surface markers, T cell proliferation, immunoglobulin class switching to IgE, and partial loss of IL 4 mediated proliferation. STAT6 mRNA has been detected in peripheral bloodlymphocytes, colon, intestine, ovary, prostate, thymus, spleen, kidney, liver, lung and placenta. STAT6 is critically involved in Th2 immune response.



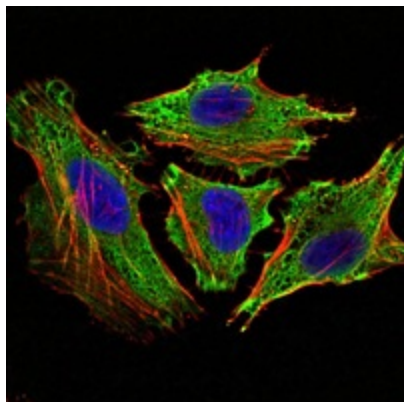
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Synonyms: IL-4 Stat

Product images:



Western blot analysis using STAT6 mouse mAb against HEK293 (1), NIH/3T3 (2), MCF-7 (3), Raw246.7 (4) and PC-12 (5) cell lysate.



Immunofluorescence analysis of HeLa cells using STAT6 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin