

## Product datasheet for **TA502880**

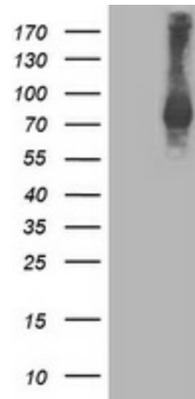
### STAT4 Mouse Monoclonal Antibody [Clone ID: OTI1B1]

#### Product data:

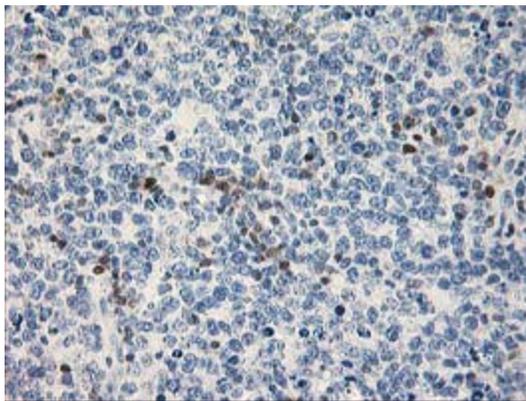
|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI1B1   |
| Applications:           | FC, IHC, WB  |
| Recommend Dilution:     | WB 1:2000, IHC 1:150, FLOW 1:100   |
| Reactivity:             | Human  |
| Host:                   | Mouse  |
| Isotype:                | IgG1   |
| Clonality:              | Monoclonal   |
| Immunogen:              | Full length human recombinant protein of human STAT4(NP_003142) produced in HEK293T cell.  |
| Formulation:            | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.   |
| Concentration:          | 1 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Predicted Protein Size: | 85.8 kDa   |
| Gene Name:              | signal transducer and activator of transcription 4   |
| Database Link:          | <a href="#">NP_003142 Entrez Gene 6775 Human</a>   |
| Background:             | 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.<br>[provided by RefSeq] |
| Synonyms:               | SLEB11   |
| Protein Families:       | Druggable Genome, Transcription Factors  |
| Protein Pathways:       | Jak-STAT signaling pathway   |



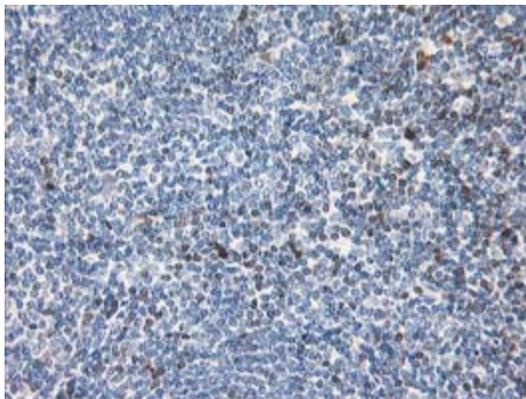
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**Product images:**

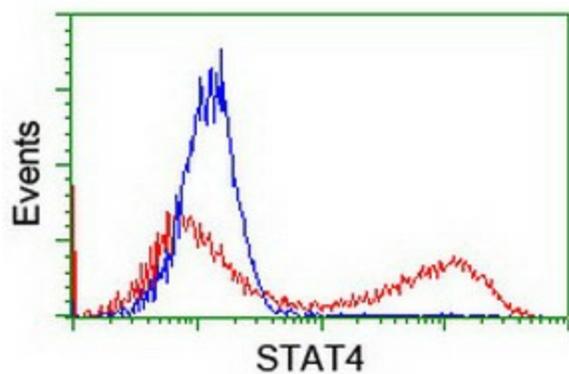
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY STAT4 ([RC206892], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-STAT4. Positive lysates [LY401095] (100ug) and [LC401095] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-STAT4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502880)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-STAT4 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502880)



HEK293T cells transfected with either [RC206892] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-STAT4 antibody (TA502880), and then analyzed by flow cytometry.