

### 32-6025: Mouse Anti Human STAT1(Clone: PAT1F4A)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PAT1F4A
<b>Application :</b>	ELISA, WB
<b>Gene :</b>	STAT1
<b>Gene ID :</b>	6772
<b>Uniprot ID :</b>	P42224
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Signal transducer and activator of transcription 1-alpha/beta, Transcription factor ISGF-3 components p91/p84, STAT1, ISGF-3, STAT91, DKFZp686B04100.
<b>Isotype :</b>	Mouse IgG1 heavy chain and Kappa light chain.
<b>Immunogen Information :</b>	Anti-human STAT1 mAb, clone PAT1F4A, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human STAT1 protein 1-712 amino acids purified from E. coli.

#### Description

STAT1 is a member of the Signal Transducers and Activators of Transcription family of transcription factors. STAT1 is involved in upregulating genes due to a signal by either type I or type II interferons. In response to IFN- $\gamma$  stimulation, STAT1 forms homodimers or heterodimers with STAT3 that bind to the GAS (Interferon-Gamma Activated Sequence) promoter element; in response to either IFN- $\gamma$  or IFN- $\alpha$  stimulation, STAT1 forms a heterodimer with STAT2 that can bind the ISRE (Interferon Stimulated Response Element) promoter element. In either case, binding of the promoter element leads to an increased expression of ISG (Interferon Stimulated Genes).

#### Product Info

<b>Amount :</b>	20 $\mu$ g
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, 10% Glycerol and 0.02% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

#### Application Note

The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1:1000. Recommended starting dilution is 1:500.