

## DESCRIPTION

<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects the C-terminus of human and mouse STAT1 p91. No cross-reactivity with other STATs has been detected by immunoprecipitation or by Western blotting.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human STAT1 p91 aa 686-750
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

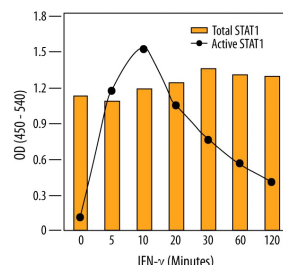
## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**ELISA** The Active STAT1 p91 DuoSet IC (R&D Systems, Catalog # [DYC1490](#)) can be converted to measure total STAT1 p91 using this antibody. Follow the protocol included with the kit, substituting this biotinylated antibody for the Biotinylated Double-stranded (ds) Oligonucleotide in step 1 of the Assay Procedure. 200 ng of STAT1 p91 antibody per binding reaction is recommended. For total STAT1 measurement, either whole cell extracts or nuclear extracts may be used.

## DATA

### ELISA



### Active vs. Total STAT1 p91

For total STAT1 p91 analysis, whole cell extracts were prepared from U937 human histiocytic lymphoma cells treated with recombinant human IFN-γ (Catalog # [285-IF](#)) for the indicated times. Extracts from  $1 \times 10^6$  cells were incubated with 200 ng biotinylated goat anti-STAT1 p91 (replacing Biotinylated ds Oligonucleotide) for 30 minutes and analyzed in the Active Human/Mouse STAT1 p91 DuoSet IC Assay.

For active STAT1 p91 analysis, nuclear cell extracts were prepared from U937 cells treated with recombinant human IFN-γ for the indicated times, and assayed at 5 µg/well in the Active Human/Mouse STAT1 p91 DuoSet IC Assay.

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>