

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	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.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human STAT1 p91 aa 686-750
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

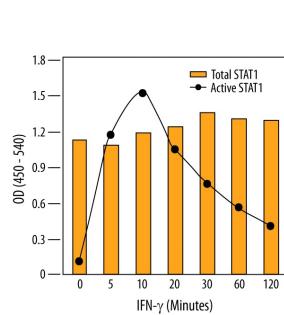
APPLICATIONS

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.
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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 1×10^6 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

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