

FITC anti-STAT3 Phospho (Tyr705)

Catalog # / Size: 3855095 / 25 tests
3855100 / 100 tests

Clone: 13A3-1

Isotype: Mouse IgG1, κ

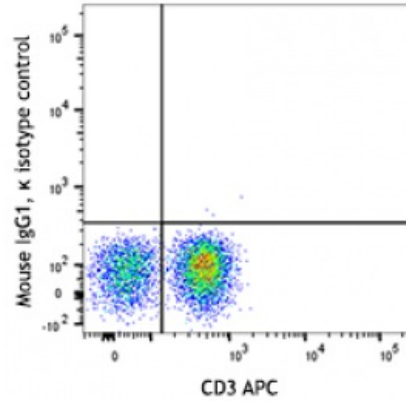
Immunogen: KLH conjugated modified synthetic peptide

Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

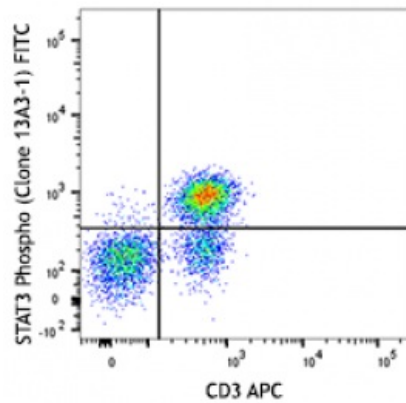
Concentration: Lot-specific



Applications:

Applications: Intracellular Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Application Notes: The STAT3 Phospho (Tyr705) antibody recognizes the regulatory tyrosine phosphorylation of human STAT3 protein and has been shown to be useful for Western blotting.

Human whole blood was stimulated with (top) or without (bottom) IL-6 for 15 minutes

Application References:

1. Akira S, *et al.* 1994. *Cell* 77:63.
2. Zhang X, *et al.* 1995. *Science* 267:1990.
3. Sanchez-Margalet V, *et al.* 2001. *Cell. Immunol.* 211:30.
4. Simon A, *et al.* 2000. *Sci*

Description: Tyrosine phosphorylation of STAT3 at Tyr705 occurs in response to LIF, IL-6, leptin, OSM, EGF, PDGF, and HGF. It plays a key role in cell growth and apoptosis through mediating expression of a variety of genes in response to the stimuli.

Antigen References:

1. Akira S, *et al.* 1994. *Cell* 77:63.
2. Zhang X, *et al.* 1995. *Science* 267:1990.
3. Sanchez-Margalet V, *et al.* 2001. *Cell. Immunol.* 211:30.
4. Simon A, *et al.* 2000. *Sci*