

PerCP/Cy5.5 anti-STAT3 Phospho (Tyr705)

Catalog # / Size: 3855110 / 100 tests
3855105 / 25 tests

Clone: 13A3-1

Isotype: Mouse IgG1, κ

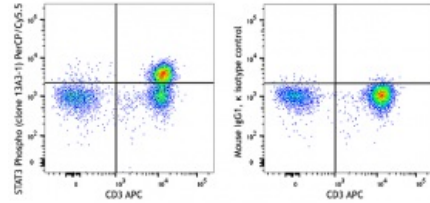
Immunogen: KLH conjugated modified synthetic peptide

Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 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



Human whole blood was stimulated with (top) or without (bottom) IL-6 for 15 minutes, then treated with RBC Lysis/Fixation Solution (Cat No. 422401), and permeabilized with True-Phos™ Perm Buffer (Cat. No. 425401), then stained with CD3 APC and STAT3

Applications:

Applications: Intracellular Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by intracellular flow cytometry using our True-Phos™ Perm Buffer in Whole Blood Protocol. 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.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

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.

- 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*