

Alexa Fluor® 647 anti-STAT3 Phospho (Tyr705)

Catalog # / Size: 3855040 / 100 tests
3855035 / 25 tests

Clone: 13A3-1

Isotype: Mouse IgG1, κ

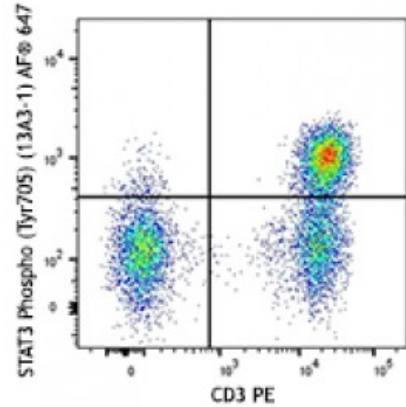
Immunogen: KLH conjugated modified synthetic peptide

Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.

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, and then treated with RBC Lysis/Fixation Solution (10X), permeabilized with True-Phos™ Perm Buffer, then stained with CD3 PE and STAT3 Phospho (Tyr705) (clone 13A3)

Applications:

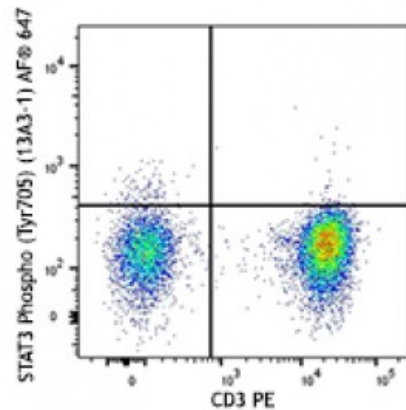
Applications: Flow Cytometry

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

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 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.

View supplemental data sheet for mouse reactivity for intracellular flow cytometry.



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 1. Akira S, *et al.* 1994. *Cell* 77:63.

- References:**
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*