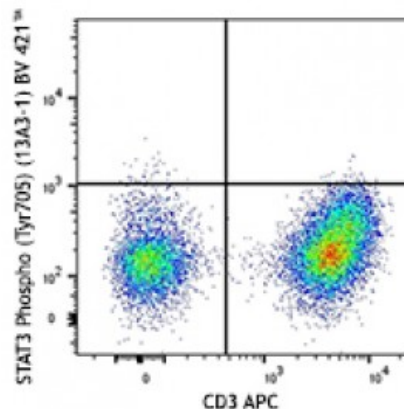


Brilliant Violet 421™ anti-STAT3 Phospho (Tyr705)

Catalog # / Size:	3855045 / 25 tests 3855050 / 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 Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Concentration:	Lot-specific



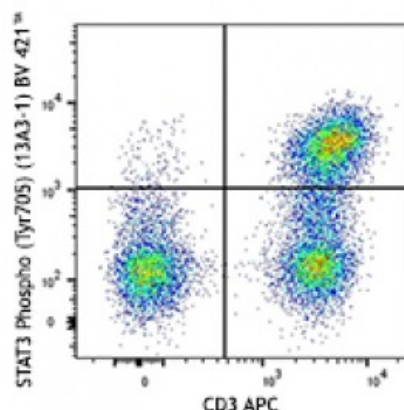
Applications:

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.

Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

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



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 APC and STAT3 Phospho (Tyr705) (clone 13A3)

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.
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- 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*