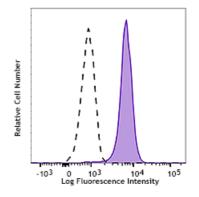
PerCP/Cyanine5.5 anti-STAT1 Phospho (Tyr701)

Catalog # / Size:	
Clone:	A17012A
lsotype:	Mouse IgG1, к
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 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 peripheral blood mononuclear cells were treated with (left) or without (right) Recombinant Human IFN-γ (carrier-free) for 15 minutes, fixed with Fixation Buffer (Cat. No. 2704005), permeabilized with True-Phos[™] Perm Buffer (Cat. No. 2727005), then stained with CD4 PE and anti-STAT1 Phospho (Tyr701) (clone A17012A) PerCP/Cyanine5.5. Data was gated on lymphocyte and monocyte populations.

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 Cell Suspensions Protocol. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.
	* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.
Application Notes:	Clone A17012A recognizes STAT1 phosphorylated at Tyrosine 701 (Tyr701).
	When using this clone for ICC, we recommend using methanol to permeabilize fixed cells.



Human peripheral blood monocytes were treated with (filled histogram) or without (open histogram) Recombinant Human IFN-γ (carrier free) for 15 minutes, fixed with Fixation Buffer (Cat. No. 2704005), permeabilized with True-Phos™ Perm Buffer (Cat No. 2727005), then stained with anti-STAT1 Phospho (Tyr701) (clone A17012A) PerCP/Cyanine5.5.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products. Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com **Description:** STAT1, also known as signal transduction and activator of transcription 1, is a ubiquitously expressed cytoplasmic protein and is activated in response to cytokine signaling, including IFN- α , IFN- γ , EGF, PDGF, and IL-6. Upon activation, STAT1 is phosphorylated at Tyrosine 701 (Tyr701) by receptorassociated kinases, including JAK1, JAK2, and TYK2. This results in STAT1 dimerization and subsequent translocation to the nucleus, where it functions as a transcriptional activator. STAT1 is involved in IFN-mediated immune responses, and STAT1-deficient mice are highly sensitive to bacterial and viral infections.

1. Moretti S, et al. 2017. J. Biol. Chem. 292: 1785. Antigen

References:

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