

<b>Catalog</b>	<b>Unit</b>
TBS10392-0.5MG	0.5 mg
TBS10392-1MG	1 mg
TBS10392-5MG	5 mg

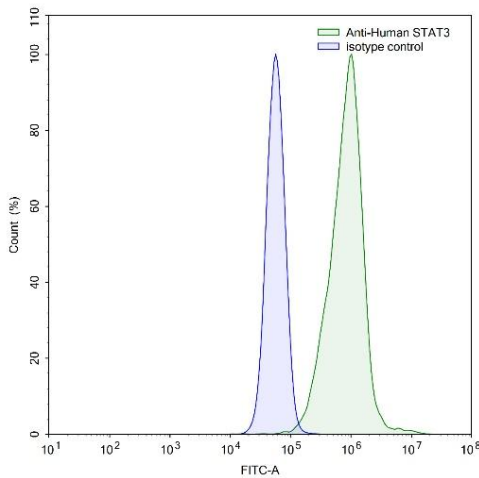
## Description

Tribioscience in vivo Anti-Human STAT3 Antibody is a monoclonal antibody specifically targeting Signal Transducer and Activator of Transcription 3 (STAT3, APRF, Acute-Phase Response Factor) in human samples. It is validated for ELISA, flow cytometry (FCM), and neutralization assays, making it suitable for studying STAT3-mediated signaling pathways, transcriptional regulation, and immune responses. This antibody is particularly valuable for research in cancers such as breast, lung, colorectal, and pancreatic cancer, as well as inflammatory and autoimmune diseases, where STAT3 plays a central role in cell proliferation, survival, cytokine signaling, and pathological immune activation.

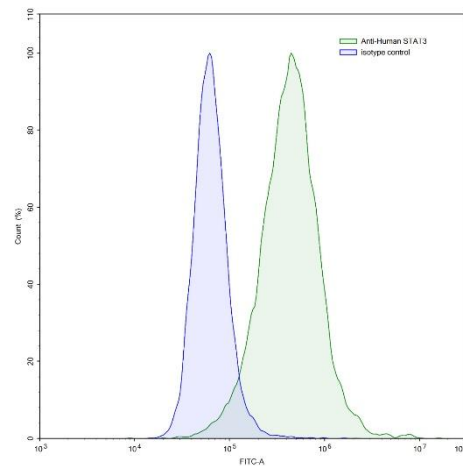
## Product Details

<b>Applications:</b>	ELISA, FCM, Neutralization.
<b>Species reactivity:</b>	Human
<b>Host:</b>	Human
<b>Isotype:</b>	VHH-hFc
<b>Target:</b>	Signal transducer and activator of transcription 3, APRF, STAT3, Acute-phase response factor.
<b>Uniprot:</b>	P40763
<b>Concentration:</b>	3 mg/ml
<b>Purity:</b>	>95%
<b>Formulation:</b>	Liquid
<b>Storage buffer:</b>	0.01M PBS, pH 7.4.
<b>Purification:</b>	Protein A/G purified from cell culture supernatant.
<b>Clonality:</b>	Monoclonal
<b>Storage:</b>	Store -20°C up to 12 months, and -80°C for long term. Avoid repeated freeze-thaw cycles.

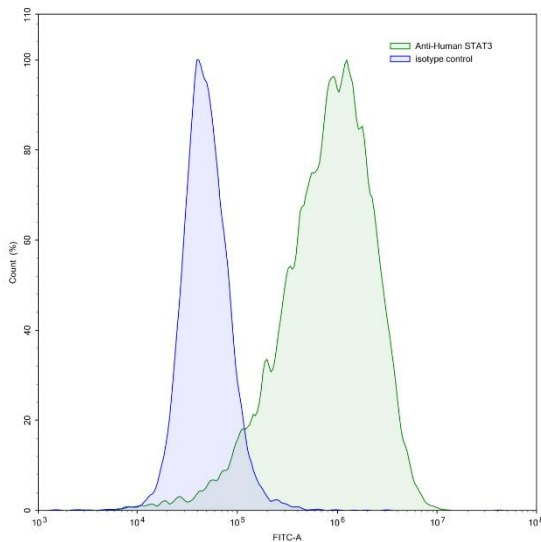
Data Image



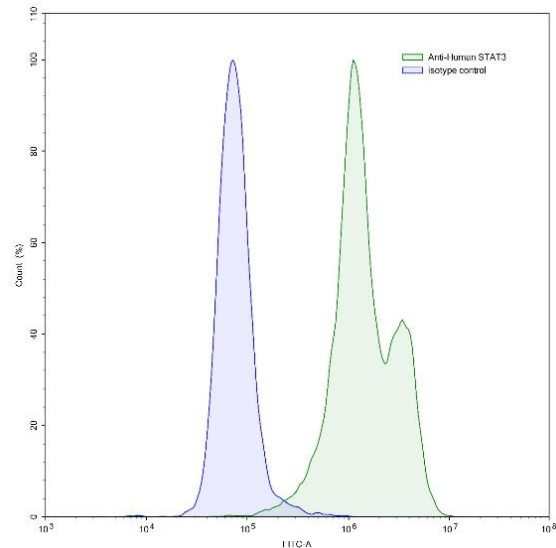
**Fig. 1 Flow-cytometry using anti-human STAT3 antibody.** HepG2 cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human STAT3 antibody monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody and cells analyzed on a NovoCyte Flow Cytometer.



**Fig. 2 Flow-cytometry using anti-human STAT3 antibody.** HeLa cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human STAT3 antibody monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody and cells analysed on a NovoCyte Flow Cytometer.



**Fig. 3 Flow-cytometry using anti-human STAT3 antibody.** Human Jurkat cell line was stained with an irrelevant antibody (Blue Histogram) or an anti-human STAT3 antibody monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody and cells analyzed on a NovoCyte Flow Cytometer.



**Fig. 4 Flow-cytometry using anti-human STAT3 antibody.** A431 cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human STAT3 antibody monoclonal antibody (Green Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody and cells analyzed on a NovoCyte Flow Cytometer.

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