abcam

Product datasheet

Goat F(ab')2 Anti-Human IgG - Fc (PE), pre-adsorbed ab98596

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Overview

Product name	Goat F(ab')2 Anti-Human IgG - Fc (PE), pre-adsorbed
Host species	Goat
Target species	Human
Tested applications	**Suitable for:** Flow Cyt
Minimal cross-reactivity	Mouse, Rat **more details**
Conjugation	PE. Ex: 488nm, Em: 575nm

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: PBS, 0.2% BSA
Purity	Immunogen affinity purified
Purification notes	This antibody was isolated by affinity chromatography using antigen coupled to agarose beads. F(ab')2 fragment were generated using a pepsin digestion. Fc fragments and whole IgG molecules have been removed. Fragments were conjugated to Phycoerythrin.
Clonality	Polyclonal
Isotype	IgG
General notes	By immunoelectrophoresis and ELISA this antibody reacts specifically with human IgG. Cross reactivity with IgA and IgM is negligible. No antibody was detected against non-immunoglobulin serum proteins. Less than 1% cross reactivity to mouse and rat IgG was detected. This antibody may cross react with IgG from other species.

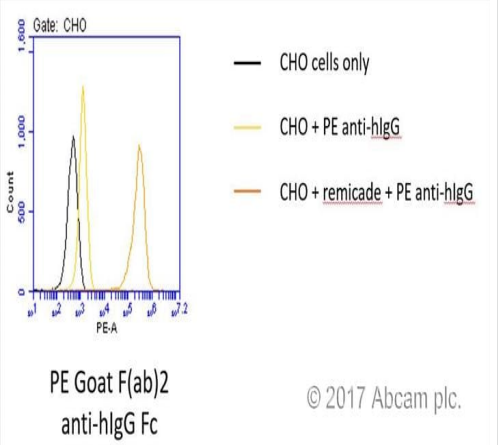
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab98596 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt	★★★★☆ **(1)**	1/50 - 1/200.

Images



Flow Cytometry - Goat F(ab')2 Anti-Human IgG - Fc (PE), pre-adsorbed (ab98596)

Flow Cytometry - Goat F(ab')2 Anti-Human IgG - Fc (PE), pre-adsorbed (ab98596)

CHO cell line expressing membrane bound human TNFα (stable transfectants) was incubated with 10 µg/ml Remicade (anti-human TNFa monoclonal antibody) for 1 h in 4°C. The unbound antibody was washed off by centrifugation (300x g for 5 min) and binding of remicade was detected with PE Goat F(ab)2 anti-hIgG Fc (ab98596) – 1:100 (5 µg/ml), 30 min incubation in 4°C. The cells were washed twice in FACS buffer (2.5% BSA, 0.1% sodium azide in dPBS), before flow cytometric analysis.

PE goat F(ab)2 anti-hIgG detected binding of remicade to TNFα CHO cell line giving strong positive signal, however there was some non-specific binding to the cells alone. Further optimisation of the reagent concentration and washing procedure should improve the background signal.

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