SONY

Product Data Sheet

APC anti-mouse CD25

Catalog # / Size: 1109550 / 100 µg
1109545 / 25 µg

Clone: 3C7

Isotype: Rat IgG2b, κ

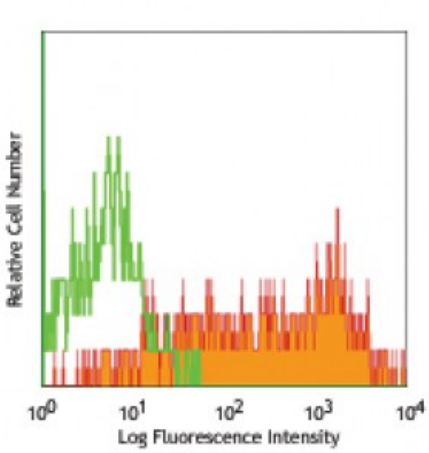
Immunogen: IL-2-dependent BALB/c mouse helper T-cell clone HT-2

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.2



ConA-stimulated BALB/c splenocytes (Day 3) stained with 3C7 APC

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 microg per 10^6 cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: *in vitro* blocking of IL-2 binding to low- and high-affinity receptors[1,2], and immunohistochemical staining of acetone-fixed frozen sections. 3C7 antibody recognizes different epitope of PC61 antibody (Cat. No. 102002). The LEAF™ Purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 101906).

Application References:

1. Ortega RG, *et al.* 1984. *J. Immunol.* 133:1970. (Block)
2. Moreau JL, *et al.* 1987. *Eur. J. Immunol.* 17:929. (Block)
3. Mushaben EM, *et al.* 2011. *J. Immunol.* 187:5756. PubMed
4. Rosalia RA, *et al.* 2013. *Immunobiology.* 218:851. PubMed

Description: CD25 is a 55 kD glycoprotein, also known as the low affinity IL-2Rα, Ly-43, p55, or Tac. It is expressed on activated T and B cells, thymocyte subset, pre-B cells, and T regulatory cells. In association with CD122 (IL-2Rβ) and CD132(common γ chain), CD25 forms the high affinity signaling IL-2 receptor.

Antigen References:

1. Taniguchi T, *et al.* 1993. *Cell* 73:5.
2. Waldmann TA. 1991. *J. Biol. Chem.* 266:2681.
3. Read S, *et al.* 2000. *J. Exp. Med.* 192:295.
4. Lowenthal JW, *et al.* 1985. *J. Immunol.*