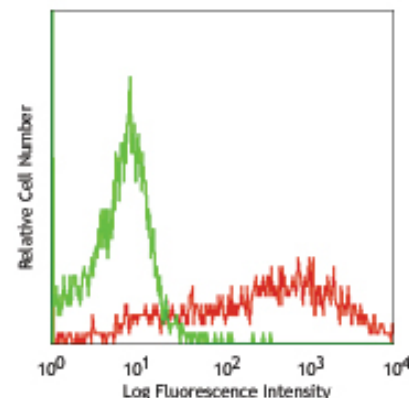


Product Data Sheet

Purified anti-rat CD25

Catalog # / Size: 202101 / 100 µg
Clone: OX-39
Isotype: Mouse IgG1, κ
Immunogen: Rat T cell blasts from mixed lymphocyte reactions
Reactivity: Rat
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml
Storage: The antibody solution should be stored undiluted at 4°C.



ConA-stimulated (3day) LOU rat splenocytes stained with purified OX-39, followed by anti-mouse IgG PE

Applications:

Applications: FC - Quality tested
 IHC, IP - Reported in the literature

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl 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: immunohistochemistry of acetone-fixed frozen sections¹, immunoprecipitation¹, weakly blocks IL-2 binding^{1, 2, 3}, and blocks IL-2 induced epithelial cell migration³.

Application References: 1. Peterson DJ, *et al.* 1987. *Mol. Immunol.* 24:1281. (IHC, IP, Block)
 2. Tellides G, *et al.* 1987. *Transplant Proc.* 19:4231. (Block)
 3. Digness AU, *et al.* 1996. *Exp. Cell Res.* 225:422. (Block)

Description: CD25 is a 55 kD glycoprotein also known as IL-2 receptor α chain. It is broadly expressed on activated T and B cells, a subset of thymic and splenic dendritic cells, and intestinal epithelial cells in the rat. IL-2 is a critical cytokine involved in lymphocyte proliferation and clonal expansion. IL-2 signaling requires the high affinity IL-2 receptor composed of IL-2 receptor chains α, β, and γ. The OX-39 antibody weakly inhibits IL-2 binding to the IL-2 receptor and has been shown to block some IL-2 mediated responses *in vitro*.

Antigen References: 1. Digness AU, *et al.* 1996. *Exp. Cell Res.* 225:422.
 2. Peterson DJ, *et al.* 1987. *Mol. Immunol.* 24:1281.

Related Products:

Product
 Purified Mouse IgG1, κ Isotype Ctrl
 APC Goat anti-mouse IgG (minimal x-reactivity)
 HRP Goat anti-mouse IgG (minimal x-reactivity)
 PE Goat anti-mouse IgG (minimal x-reactivity)
 Cell Staining Buffer

Clone
 MOPC-21
 Poly4053
 Poly4053
 Poly4053

Application
 FC, ICFC, ICC, IF, IHC, IP, WB
 FC
 ELISA, IHC, WB
 FC
 FC, ICC, ICFC



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