

PE anti-rat CD252 (OX40L)

Catalog # / Size: 200505 / 50 µg

Clone: ATM-2

Isotype: Mouse IgG1, κ

Immunogen: ACI-S1 rat T-cell lymphoma cell line

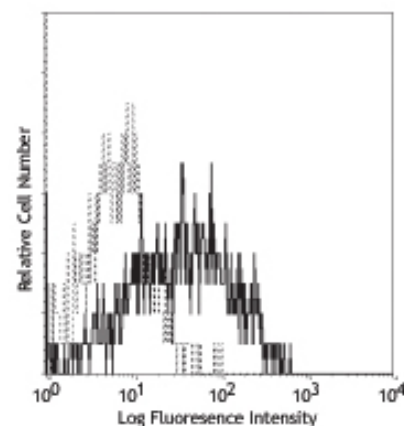
Reactivity: Rat

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

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

Concentration: 0.2 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



PMA-stimulated (2 days) Lou rat splenocytes stained with ATM-2 biotin, then detected with Sav-PE

Applications:

Applications: FC - Quality tested

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 ≤1.0 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: blocking the binding of OX-40 to OX-40L and the inhibition of T cell costimulatory activity of OX-40L¹. For the most successful immunofluorescent staining results, it may be necessary to maximize signal over background by using a relatively bright fluorochrome-antibody conjugate (Cat. No. 200506) or by using a high sensitivity, three-layer staining technique (e.g., including a biotinylated antibody (Cat. No. 200504) or biotinylated anti-mouse IgG (Cat. No. 405303) second step, followed by SAv-PE (Cat. No. 405204)). The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 200508).

Application References: 1. Satake Y, *et al.* 2000. *Biochem. Biophys. Res. Commun.* 270:1041.

Description: OX-40 Ligand (OX-40L) is a 22 kD member of the TNF superfamily (TNFSF4), also known as CD252 or CD134L. It is expressed on dendritic cells, peritoneal macrophages, and activated B cells. The interaction of OX-40L with OX-40 (CD134) is important for B cell antibody production and T cell activation and proliferation. The ATM-2 antibody is able to block the costimulatory function of OX-40L.

Antigen References: 1. Satake Y, *et al.* 2000. *Biochem. Biophys. Res. Commun.* 270:1041.
2. Akiba H, *et al.* 1998. *Biochem. Biophys. Res. Commun.* 251:131.
3. Akiba H, *et al.* 2000. *J. Exp. Med.* 191:375.

Related Products:

Product
PE Mouse IgG1, κ Isotype Ctrl
Cell Staining Buffer

Clone
MOPC-21

Application
FC, ICFC
FC, ICC, ICFC



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