

Product Information

Catalog Number: 17-0390

Contents: Allophycocyanin (APC) anti-rat CD25 (Interleukin-2 Receptor alpha, IL-2 Receptor alpha, IL-2Ra)

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Sizes: 100 µg

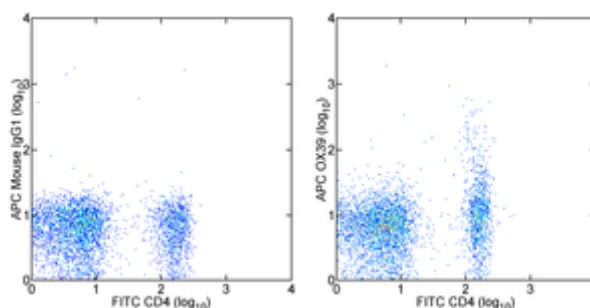
Formulation: Phosphate buffered saline, pH 7.2, less than or equal to 0.09% NaN₃

Storage Conditions: Store at 4°C. DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: OX39

Isotype: Mouse IgG1



Staining of Lou rat splenocytes with FITC anti-rat CD4 (OX35) (cat. 11-0040) and 0.06 µg of APC Mouse IgG1, K Iso Cntrl (cat. 17-4714) (left) or 0.06 µg of APC anti-rat CD25 (OX39) (right). Total viable cells were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
17-0390	Allophycocyanin (APC) anti-rat CD25 (Interleukin-2 Receptor alpha, IL-2 Receptor alpha, IL-2Ra)	633	660	FC IHC(Paraffin)

Description

The OX39 monoclonal antibody reacts with mouse CD25, the 55 kDa interleukin-2 receptor alpha (IL-2Ra). CD25 is expressed by early progenitors of the T and B lineages as well as by activated mature T and B lymphocytes. By itself, CD25 binds IL-2 only with low affinity. However, CD25 associates with CD122 (IL-2 receptor beta chain) and CD132 (common γ chain) to form the high affinity IL-2 receptor. CD25 plays a role in lymphocyte differentiation and activation/proliferation.

Applications Reported

For research use only, not for diagnostic or therapeutic use. This OX39 antibody has been reported for use in flow cytometric analysis, and immunohistology staining of paraffin embedded tissue sections.

Applications Tested

This OX39 antibody has been tested by flow cytometric analysis of rat splenocytes. This can be used at less than or equal to 0.125 µg per million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Paterson DJ, Jefferies WA, Green JR, Brandon MR, Corthesy P, Puklavec M, Williams AF. Antigens of activated rat T lymphocytes including a molecule of 50,000 Mr detected only on CD4 positive T blasts. Mol Immunol. 1987 Dec;24(12):1281-90. (**OX39**, mAb development, PubMed)

Related Products

Cat. 17-0251 APC anti-mouse CD25 (Interleukin-2 Receptor alpha, IL-2 Receptor alpha, IL-2Ra, p55, IL2Ra) (clone PC61.5)

Cat. 17-0259 Allophycocyanin (APC) anti-human CD25 (Interleukin-2 Receptor, IL-2R, IL2R) (clone BC96)

Cat. 17-4714 Allophycocyanin (APC) Mouse IgG1, K Isotype Control