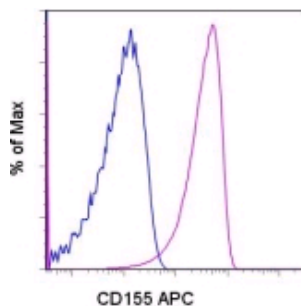


## Anti-Mouse CD155 APC

Catalog Number: 17-1551

Also Known As: PVR, Polio Virus Receptor

RUO: For Research Use Only



Staining of C57BL/6 thymocytes with Anti-Mouse CD4, Anti-Mouse CD8a and 0.5 µg of Rat IgG2a κ Isotype Control APC (cat. 17-4321) (blue histogram) or 0.5 µg of Anti-Mouse CD155 APC (purple histogram). Double-positive (CD4+CD8+) cells were used for analysis.

### Product Information

Contents: Anti-Mouse CD155 APC


**REF** Catalog Number: 17-1551

Clone: TX56

Concentration: 0.2 mg/ml


Host/Isotype: Rat IgG2a

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

### Description

This TX56 monoclonal antibody reacts with mouse CD155 (also known as poliovirus receptor or PVR), a member of the Ig superfamily of nectins and nectin-like proteins. CD155 is expressed on thymocytes (e.g. CD4+CD8+ and CD4+ cells), peripheral T and B lymphocytes (e.g. regulatory T cells, activated T cells, marginal zone B cells, and plasma cells), natural killer (NK) cells, dendritic cells (e.g. mature and activated), and monocytes. CD155 interacts with other nectins, including Nectin-3 and the extracellular matrix protein vitronectin, the adhesion molecule CD226/DNAM-1, and the NK cell receptor CD96. CD155 plays a role in cell-cell adhesion, including formation of adherens junctions, cell migration, polarization, and NK-mediated cytotoxicity. In humans, but not in mice, CD155 is the receptor for poliovirus.

### Applications Reported

This TX56 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This TX56 antibody has been tested by flow cytometric analysis on mouse thymocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Maier MK, Seth S, Czeloth N, Qiu Q, Ravens I, Kremmer E, Ebel M, Müller W, Pabst O, Förster R, Bernhardt G. The adhesion receptor CD155 determines the magnitude of humoral immune responses against orally ingested antigens. *Eur J Immunol.* 2007 Aug;37(8):2214-25.

Tahara-Hanaoka S, Shibuya K, Onoda Y, Zhang H, Yamazaki S, Miyamoto A, Honda S, Lanier LL, Shibuya A. Functional characterization of DNAM-1 (CD226) interaction with its ligands PVR (CD155) and nectin-2 (PRR-2/CD112). *Int Immunol.* 2004 Apr;16(4):533-8.

### Related Products

11-0041 Anti-Mouse CD4 FITC (GK1.5)

12-0081 Anti-Mouse CD8a PE (53-6.7)

17-4321 Rat IgG2a K Isotype Control APC

Not for further distribution without written consent.

Copyright © 2000-2010 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [www.eBioscience.com](http://www.eBioscience.com) • [info@eBioscience.com](mailto:info@eBioscience.com)