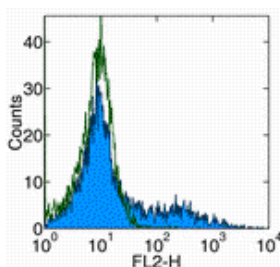


Anti-Mouse CD153 Functional Grade Purified

Catalog Number: 16-1531

Also Known As: CD30 Ligand, TNFSF8

RUO: For Research Use Only. Not for use in diagnostic procedures.



Surface staining of ConA stimulated mouse splenocytes with Anti-Mouse CD153 PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD153 Functional Grade Purified

REF **Catalog Number:** 16-1531

Clone: RM153

Concentration: 1 mg/mL

Host/Isotype: Rat IgG2b, kappa

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

The RM153 monoclonal antibody reacts with mouse CD153 (CD30 ligand). This 40 kDa cell surface receptor, a type II transmembrane protein, is a member of the TNF superfamily. Interaction of CD30 with CD153 plays an important role in T cell activation/costimulation. Expression of CD153 on T cells does not appear to require costimulation through CD28 and is upregulated via TCR engagement and peaks 24-48 hours after activation. Signaling through CD153 is important in costimulation of pre-activated T cells.

Applications Reported

The RM153 antibody has been reported for use in flow cytometric analysis. It has also been reported in blocking of ligand binding.

Applications Tested

The RM153 antibody has been tested by flow cytometric analysis of activated mouse splenocyte suspensions. This can be used at less than or equal to 0.5 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Shimozato O, Takeda K, Yagita H, Okumura K. Expression of CD30 ligand (CD153) on murine activated T cells. *Biochem Biophys Res Commun.* 1999 Mar 24;256(3):519-26.

Related Products

11-4811 Anti-Rat IgG FITC

16-4031 Rat IgG2b K Isotype Control Functional Grade Purified

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