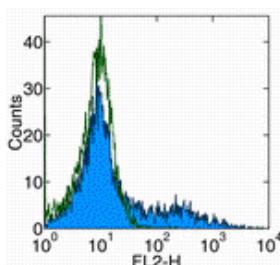


## Anti-Mouse CD153 Purified

Catalog Number: 14-1531

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 Purified

**REF** **Catalog Number:** 14-1531

**Clone:** RM153

**Concentration:** 0.5 mg/mL

**Host/Isotype:** Rat IgG2b, kappa

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



**Temperature Limitation:** Store at 2-8°C.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Caution, contains Azide**

### 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, immunoprecipitation, and immunohistochemical staining of frozen tissue sections. It has also been reported in blocking of ligand binding. (Please use Functional Grade purified RM153, cat. 16-1531, in functional assays.)

### 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 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

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

14-4031 Rat IgG2b K Isotype Control Purified

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