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## Anti-Mouse CD30 Functional Grade Purified

**Catalog Number:** 16-0301

**Also Known As:** TNFRSF8, Ki-1

**RUO: For Research Use Only**

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### Product Information

**Contents:** Anti-Mouse CD30 Functional Grade Purified

**REF** **Catalog Number:** 16-0301

**Clone:** mCD30.1

**Concentration:** 1 mg/ml

**Host/Isotype:** Armenian Hamster IgG


**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.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

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### Description

The mCD30.1 monoclonal antibody reacts with mouse CD30, a 105-120 kDa member of the TNFR superfamily. CD30 is not detectable on splenocytes, but can be upregulated on T cells stimulated *in vitro* through TCR with a peak expression around day 4-5 post-activation. CD30 is expressed by both CD8<sup>+</sup> and CD4<sup>+</sup> activated cells. It is suggested that CD30 regulates cytokine secretion by T cells and has a role in T cell development.

### Applications Reported

The mCD30.1 antibody has been reported for use in flow cytometric analysis. It has also been reported in *in vitro* functional studies.

### Applications Tested

The mCD30.1 antibody has been tested by flow cytometric analysis of resting and 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

**Bowen, M. A., R. K. Lee, et al. (1996).** "Structure and expression of murine CD30 and its role in cytokine production." *J Immunol* 156 (2): 442-9.

### Related Products

11-4111 Anti-Armenian Hamster IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4113 Anti-Armenian Hamster IgG Biotin (Polyclonal)

16-4888 Armenian Hamster IgG Isotype Control Functional Grade Purified (eBio299Arm)

17-4317 Streptavidin APC

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