

## Product Information

Contents: Functional Grade Purified anti-mouse CD30

Catalog Number: 16-0301

Sizes: 50 ug, 100 ug, 500 ug

Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, No NaN<sub>3</sub>

Storage Conditions: Store at 4°C.

Avoid repeated freeze/thaw cycles.

KEEP CONTENT STERILE.

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

Clone: mCD30.1

Isotype: Armenian Hamster IgG

### Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
12-0301	PE anti-mouse CD30	488	575	FC
13-0301	Biotin anti-mouse CD30	N/A	N/A	FC
14-0301	Affinity Purified anti-mouse CD30	N/A	N/A	FA FC
16-0301	Functional Grade* Purified anti-mouse CD30	N/A	N/A	FA FC

\*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.

Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

## 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.

## Usage

For research use only, not for diagnostic or therapeutic use. 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 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.

## Related Products

Cat. 12-0301	PE anti-mouse CD30 (clone mCD30.1)
Cat. 13-0301	Biotin anti-mouse CD30 (clone mCD30.1)
Cat. 14-0301	Affinity Purified anti-mouse CD30 (clone mCD30.1)
Cat. 11-4111	FITC Anti-Armenian Hamster IgG
Cat. 13-4113	Biotin Anti-Armenian Hamster IgG (clone Polyclonal)
Cat. 11-4317	Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317	Streptavidin-PE (Phycoerythrin)
Cat. 17-4317	Streptavidin Allophycocyanin (SA-APC)
Cat. 16-4444	Functional Grade Purified Armenian Hamster IgG Isotype Control (clone n/a)

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References

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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.

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