Technical Data Sheet

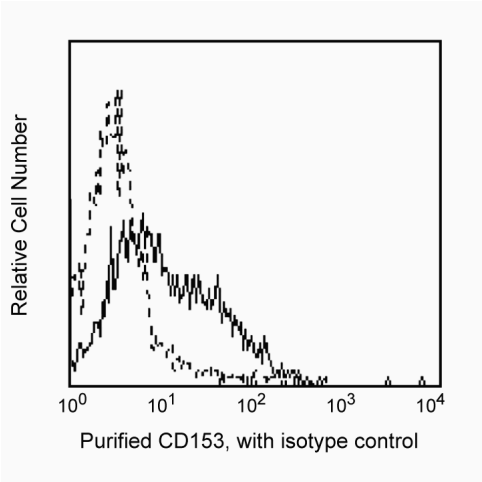
Purified Mouse Anti-Human CD153

Product Information

Material Number:	**550052**
Alternate Name:	CD30L
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	D2-1173
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Reacts with CD30 ligand (CD153) a 40 kDa type II membrane glycoprotein expressed mainly on activated T cells, as well as on activated macrophages, neutrophils and both normal and malignant B cells. CD30 ligand is a member of the tumor necrosis factor (TNF) superfamily. In addition to TNF, this family also includes lymphotoxin α (LTα), LTβ, CD154, CD95L, CD70, CD134 ligand, CDw137 ligand, and TRAIL. Results of in vitro studies have shown that CD30 mediates a variety of activation and differentiation, or apoptotic signals. Recently, it has been reported that CD30-deficient mice have elevated numbers of thymocytes and show a gross defect in negative but not positive selection during T cell differentiation, suggesting an important role for CD30/CD30L interactions in the deletion of autoreactive T cells.



Profile of PMA & CA++ ionophore- stimulated peripheral blood lymphocytes analyzed by flow cytometry

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at 4° C.

Application Notes

Application

Flow cytometry	Routinely Tested

Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.

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2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

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