

Technical Data Sheet

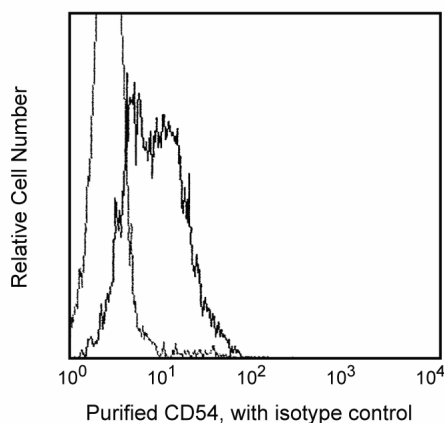
Purified Mouse Anti-Human CD54**Product Information**

Material Number:	555510
Alternate Name:	ICAM-1
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	HA58
Isotype:	Mouse IgG1 κ
Reactivity:	QC Testing: Human
Workshop:	VI A095
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

Reacts with the 85-110 kDa integral membrane glycoprotein, also known as intracellular adhesion molecule-1 (ICAM-1), expressed on endothelial cells and both resting (weak) and activated (moderate) lymphocytes and monocytes. CD54 is a ligand for the leukocyte function antigen-1 (CD11a). CD54 antibodies are used for the studies of inflammatory processes and neoplasia. This antibody (NA/LE format) blocks the mixed-lymphocyte reaction (MLR) and the purified format is suitable for staining acetone-fixed, frozen tissue sections.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Profile of resting peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA)

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

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Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
555746	Purified Mouse IgG1 Kappa Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Gt/Ms

Product Notices

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

Kishimoto T, von dem Borne AEG, Goyert SM, et al., ed. *Leucocyte Typing VI: White Cell Differentiation Antigens*. London: Garland Publishing; 1997.

(Clone-specific)

Schlossman SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995.(Biology)

Knapp W, Dorken B, et al, ed. *Leucocyte Typing IV*. New York: Oxford University Press; 1989.(Biology)