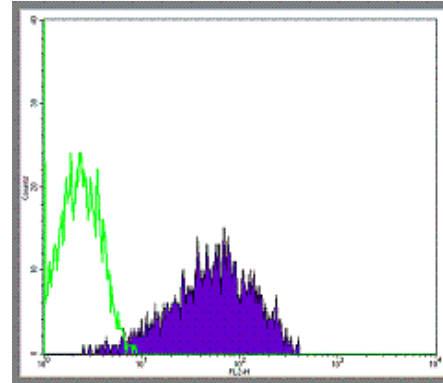


Product Information

Contents: Biotin anti-human CD54 (ICAM-1)
Catalog Number: 13-0549
Sizes: 25 µg, 100 µg
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
DO NOT FREEZE.
Clone: HA58
Isotype: Mouse IgG1, κ
HLDA No.: VI A095



Normal human peripheral blood stained with biotinylated HA58 and detected with Streptavidin-PE (cat.no. 12-4312). Cells in the lymphocyte gate were analyzed.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
12-0549	PE anti-human CD54 (ICAM-1)	488	575	FC
13-0549	Biotin anti-human CD54 (ICAM-1)	N/A	N/A	FC
14-0549	Affinity Purified anti-human CD54 (ICAM-1)	N/A	N/A	FA FC IHC
16-0549	Functional Grade* Purified anti-human CD54 (ICAM-1)	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 HA58 monoclonal antibody reacts with human CD54 (InterCellular Adhesion Molecule-1, ICAM-1), a 90-110 kDa transmembrane glycoprotein expressed by monocytes, lymphocytes and endothelial cells. Expression of CD54 is upregulated on activated lymphocytes. Interaction of CD54 with its ligand CD11a is important in the inflammatory response.

Usage

For research use only, not for diagnostic or therapeutic use. The HA58 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The HA58 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 µg per 100 µl blood (or per 1 million cells in 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. 12-0549 PE anti-human CD54 (ICAM-1) (clone HA58)
Cat. 14-0549 Affinity Purified anti-human CD54 (ICAM-1) (clone HA58)
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
Cat. 13-4714 Biotin Mouse IgG1, K Isotype Control

References

- Knapp, W., B. Dorken, et al. eds. (1989). *Leucocyte Typing IV: White Cell Differentiation Antigens*. Oxford University Press. New York.
- Schlossman, S., L. Bloumsell, et al. eds (1995). *Leucocyte Typing V: White Cell Differentiation Antigens*. Oxford University Press. New York.
- Kishimoto, T., H. Kikutani, et al., eds. (1998). *Leucocyte Typing VI: White Cell Differentiation Antigens*. Garland Publishing Inc. London.

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