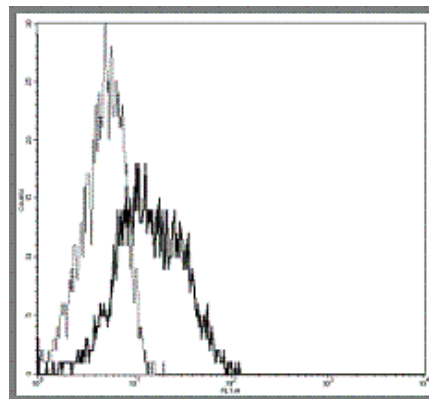


Product Information

Contents: Affinity Purified anti-human CD54 (ICAM-1)
Catalog Number: 14-0549
Sizes: 25 ug, 100 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
Avoid repeated freeze/thaw cycles.
Clone: HA58
Isotype: Mouse IgG1, κ
HLDA No.: VI A095



Profile of purified mAb HA58 (CD54) staining on human peripheral blood lymphocytes.

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, and immunohistochemical staining. HA58 has also been reported in blocking of *in vitro* mixed lymphocyte reaction. (Please use Functional Grade purified HA58 in functional assays.)

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 0.25 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. 13-0549 Biotin anti-human CD54 (ICAM-1) (clone HA58)
Cat. 11-4011 FITC Anti-Mouse IgG
Cat. 13-4013 Biotin Anti-Mouse IgG (clone Polyclonal)
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)

Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
Cat. 14-4714 Affinity Purified 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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