

CD54 (ICAM-1) Monoclonal Antibody (HA58), Biotin, eBioscience™

Product Details	
Size	100 µg
Species	Human
Published Species	Human
Expression System	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HA58
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466483

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	1 Publication
ChIP assay (ChIP)	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Western Blot (WB)	-	1 Publication

Product Specific Information

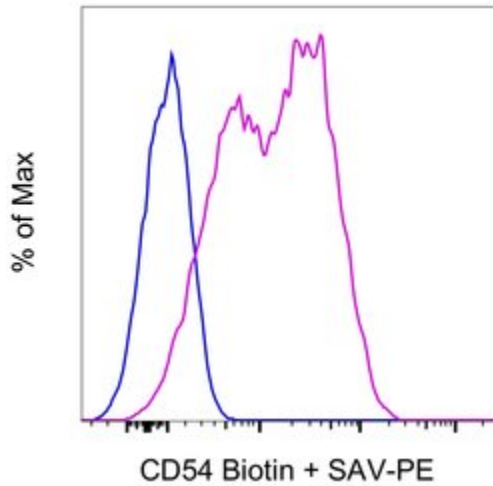
Description: The HA58 monoclonal antibody reacts with human CD54 (InterCellular Adhesion Molecule-1, ICAM-1), a 90-110 kDa transmembrane glycoprotein expressed by monocytes, lymphocytes and endothelial cells. Expression of CD54 is upregulated on activated lymphocytes. Interaction of CD54 with its ligand CD11a is important in the inflammatory response.

Applications Reported: 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 normal human peripheral blood cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD54 (ICAM-1) Monoclonal Antibody (HA58), Biotin, eBioscience™



CD54 (ICAM-1) Antibody (13-0549-82) in Flow

Normal human peripheral blood cells were stained with Mouse IgG1 kappa Isotype Control, Biotin (Product # 13-4714-85) (blue histogram) or CD54 (ICAM-1) Monoclonal Antibody, Biotin (purple histogram) followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

5 References

Immunofluorescence (1)

Theranostics

CD54-NOTCH1 axis controls tumor initiation and cancer stem cell functions in human prostate cancer.

"Published figure using CD54 (ICAM-1) monoclonal antibody (Product # 13-0549-82) in Immunofluorescence"

Authors: Li C,Liu S,Yan R,Han N,Wong KK,Li L

Species
Human

Dilution
Not Cited

Year
2017

ChIP assay (1)

Nature communications

The critical role of SENP1-mediated GATA2 deSUMOylation in promoting endothelial activation in graft arteriosclerosis.

"Published figure using CD54 (ICAM-1) monoclonal antibody (Product # 13-0549-82) in ChIP assay"

Authors: Qiu C,Wang Y,Zhao H,Qin L,Shi Y,Zhu X,Song L,Zhou X,Chen J,Zhou H,Zhang H,Tellides G,Min W,Yu L

Species
Human

Dilution
Not Cited

Year
2017

Western Blot (1)

Nature communications

The critical role of SENP1-mediated GATA2 deSUMOylation in promoting endothelial activation in graft arteriosclerosis.

"Published figure using CD54 (ICAM-1) monoclonal antibody (Product # 13-0549-82) in ChIP assay"

Authors: Qiu C,Wang Y,Zhao H,Qin L,Shi Y,Zhu X,Song L,Zhou X,Chen J,Zhou H,Zhang H,Tellides G,Min W,Yu L

Species
Human

Dilution
Not Cited

Year
2017

Flow Cytometry (1)

PloS one

Effect of nicotine and porphyromonas gingivalis lipopolysaccharide on endothelial cells in vitro.

"Published figure using CD54 (ICAM-1) monoclonal antibody (Product # 13-0549-82) in Flow Cytometry"

Authors: An N,Andruchov O,Tang Y,Falkensammer F,Bantleon HP,Ouyang X,Rausch-Fan X

Species
Human

Dilution
Not Cited

Year
2015

More applications with references on thermofisher.com

IHC (1)

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