

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

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	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
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466483

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	2 Publications
ChIP assay (ChIP)	-	1 Publication
Neutralization (Neu)	-	1 Publication
Functional Assay (FN)	-	1 Publication
Miscellaneous PubMed (Misc)	-	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.

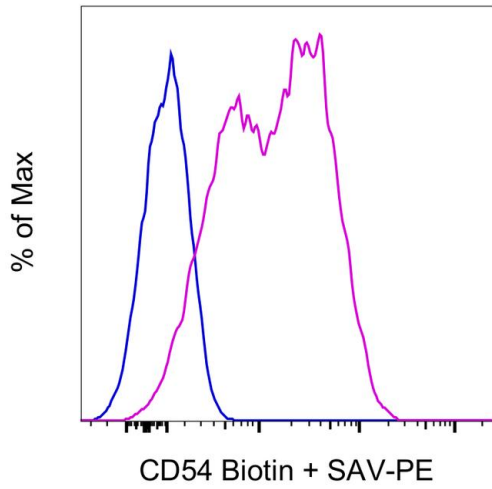
Applications Reported: The HA58 antibody has been reported for use in flow cytometric analysis.

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 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 μ m 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)

9 References

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 Western Blot"

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

Immunohistochemistry (1)

Proceedings of the National Academy of Sciences of the United States of America

The human natural killer cell immune synapse.

Authors: Davis DM,Chiu I,Fassett M,Cohen GB,Mandelboim O,Strominger JL

Species
Not Applicable

Dilution
Not Cited

Year
1999

Immunocytochemistry (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

Flow Cytometry (2)

PLoS pathogens

Pomalidomide restores immune recognition of primary effusion lymphoma through upregulation of ICAM-1 and B7-2.

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

Authors: Shrestha P,Davis DA,Jaeger HK,Stream A,Aisabor AI,Yarchoan R

Species
Not Applicable

Dilution
Not Cited

Year
2021

More applications with references on thermofisher.com

ChIP (1)

Neu (1)

FN (1)

Misc (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.