

Product Datasheet

Anti-Hu CD54 Purified Azide Free (orb43579)

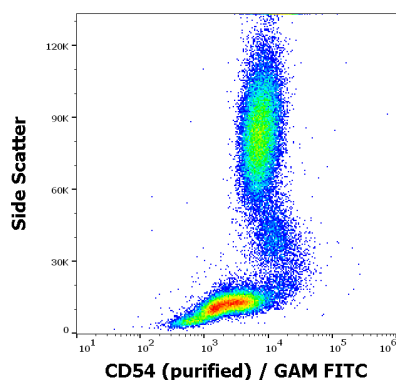
Description	Mouse Monoclonal to CD54.
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	FC, ICC, IHC-Fr, IHC-P, WB
Immunogen	Raji cells and spleen cells fused with NS1 cells
Target	CD54
Preservatives	Phosphate buffered saline (PBS), pH 7.4
Concentration	1 mg/ml
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Immunohistochemistry (frozen sections): Recommended dilution: 5-10 µg/ml. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; prolonged fixation in buffered formalin can destroy the epitope. High temperature antigen unmasking technique is required. Flow cytometry: Recommended dilution: 1-4 µg/ml. Western blotting: Recommended dilution: 1-2 µg/ml; non-reducing conditions.
Isotype	Mouse IgG2b
Clonality	Monoclonal
Clone Number	1H4
Antibody Type	Primary Antibody
Purity	Purified by protein-A affinity chromatography.

Biorbyt Ltd.

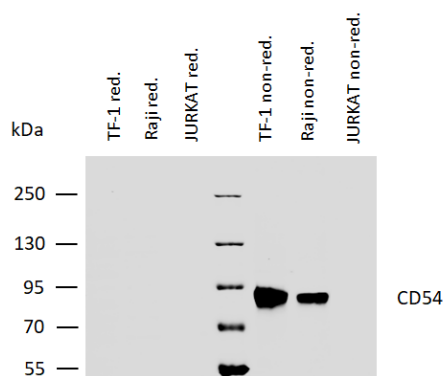
7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Uniprot ID **P05362****Entrez** **3383****Dilution Range** Immunohistochemistry (frozen sections): Recommended dilution: 5-10 µg/ml. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; prolonged fixation in buffered formalin can destroy the epitope. High temperature antigen unmasking technique is required. Flow cytometry: Recommended dilution: 1-4 µg/ml. Western blotting: Recommended dilution: 1-2 µg/ml; non-reducing conditions.**Expiration Date** 12 months from date of receipt.

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD54 (1H4) purified antibody (concentration in sample 3 µg/ml, GAM FITC).



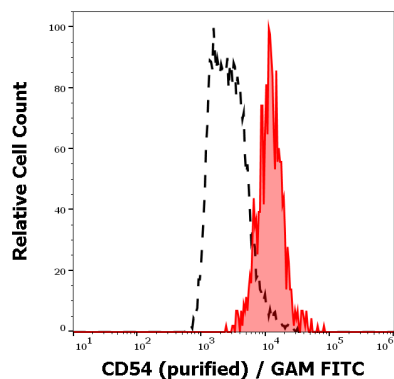
Western blotting analysis of human CD54 using mouse monoclonal antibody 1H4 on lysates of TF-1 and Raji cells, as well as of JURKAT cells (negative control) under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-CD54 monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for CD54 at approximately 88 kDa.

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)



Separation of human monocytes (red-filled) from human lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD54 (1H4) purified antibody (concentration in sample 3 µg/ml, GAM FITC).

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)