

Anti-Human CD44 (HP2/9)



PURE	44PUI	1 mg	1 mg/ml	RUO
FITC	44FI-100T	100 test	20 µL/test	
PE	44PEI-100T	100 test	20 µL/test	

Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.






Please, refer to www.immunostep.com technical support for more information.

5. REFERENCES

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- Ugarte-Berzal E, Bailón E, Amigo-Jiménez I, Albar JP, García-Marco JA, García-Pardo A. A novel CD44-binding peptide from the pro-matrix metalloproteinase-9 hemopexin domain impairs adhesion and migration of chronic lymphocytic leukemia (CLL) cells. *J Biol Chem.* 2014 May 30;289(22):15340-9. doi: 10.1074/jbc.M114.559187. Epub 2014 Apr 16. PMID: 24739387; PMCID: PMC4140891.

6.

EXPLANATION OF SYMBOLS

	Form
REF	Catalog reference
	Contains sufficient for <n> test
	Quantity per test
	Regulatory Status
RUO	Research Use Only
	Manufacturer

7.

MANUFACTURED BY:



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1. PRODUCT DESCRIPTION

Clone: HP2/9;
Isotype: IgG1;
Tested application: flow cytometry;
Immunogen: T cell leukemia HPB-ALL;
Species reactivity: Human;
Storage instruction: store in the dark at 2-8 °C;
Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN₃);
Recommended usage: Immunostep's CD44, clone HP2/9 is a monoclonal antibody intended for the identification and enumeration of leucocytes and erythrocytes using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10⁶ cells;
Presentation: liquid;
Source: Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
Specificity: The antibody specifically recognizes the human protein CD44 and it was validated by the 5th International Workshop on Human Leukocyte Differentiation Antigens (Boston, USA, 3-7 November 1993). Clone HP2/9 is capable of blocking the binding of hyaluronic acid to cells^(1,4) in its standard isoform (CD44s), probably binding to more than one site (5) on CD44.
Clone HP2/9 is capable of blocking clone LI78 but not clone HI44a, thereby recognizing different epitopes than clone HI44a. LI78 clone does not block HP2/9 clone.
Purification: Affinity chromatography;
Other names: CDw44, Epican, Extracellular matrix receptor III, ECMR-III, GP90 lymphocyte homing/adhesion receptor, HUTCH-I, Heparan sulfate proteoglycan, Hermes antigen, Hyaluronate receptor, Phagocytic glycoprotein I, PGP-I, Phagocytic glycoprotein I, Pgp-I, H-CAM, gp85, Ly-24;
Gene ID: 960;
Molecular weight: 80 - 95 kDa.

2. ANTIGEN DETAILS

Large description: The monoclonal antibody is directed against the CD44- antigen, which is mainly expressed on leucocytes and erythrocytes. Very few types of tissue or cells lack CD44. Cells and tissues that lack CD44 include platelets, hepatocytes, certain lymphoid cell lines, cardiac muscle, kidney tubular epithelium, testis and portions of the skin. The CD44 antigen is present on approximately 90% of lymphocytes, monocytes, and granulocytes and in lower amounts on thymocytes, fibroblasts, and erythrocytes.

The antigen mediates a variety of functions, including leucocyte-endothelial cell binding and lymphocyte homing to certain peripheral lymphoid microenvironments.⁽¹⁻³⁾

3. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

4. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

Not for resale. Immunostep will not be responsible of violations that may occur with the use of this product. Any use of this product other than the specified in this document is strictly prohibited.