

Technical Data Sheet

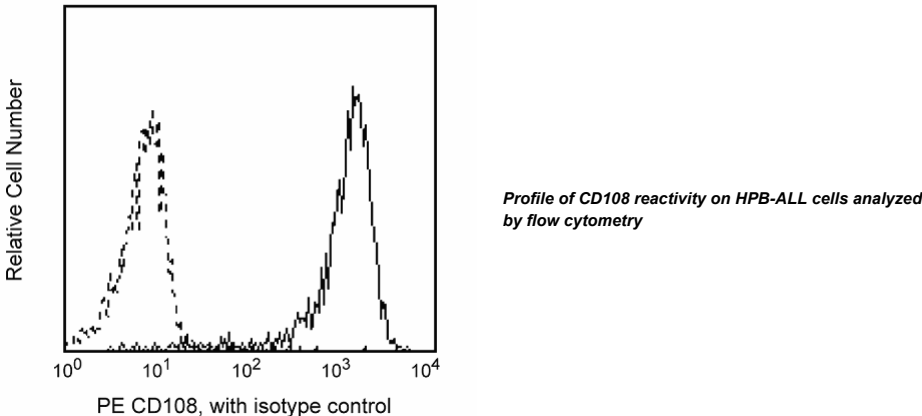
PE Mouse Anti-Human CD108

Product Information

Material Number:	552830
Size:	100 tests
Vol. per Test:	20 µl
Clone:	KS-2
Isotype:	Mouse IgG2a, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with the John-Milton-Hagen (JMH) blood group antigen. CD108 is a 76-80 kDa glycosylphosphatidylinositol (GPI)-linked protein. It is expressed on erythrocytes, at low levels on lymphocytes, but higher levels are detected on lymphoblasts and lymphoblastic cell lines. An adhesion function for CD108 has been suggested but this has not been demonstrated. Autoantibodies to this molecule are not uncommon and often associated with the loss of JMH antigen expression on erythrocytes.



Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
----------------	------------------

Suggested Companion Products

Catalog Number	Name	Size	Clone
555574	PE Mouse IgG2a, κ Isotype Control	100 tests	G155-178

Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10e6 cells in a 100-µl experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.

BD Biosciences

www.bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit www.bdbiosciences.com/how_to_order/

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2007 BD



3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

- Angelisová P, Hilgert I, Horejsi V. Association of four antigens of the tetraspans family (CD37, CD53, TAPA-1, and R2/C33) with MHC class II glycoproteins. *Immunogenetics*. 1994; 39(4):249-256.(Biology)
- Bobolis KA, Moulds JJ, Telen MJ. Isolation of the JMH antigen on a novel phosphatidylinositol-linked human membrane protein. *Blood*. 1992; 79(6):1574-1581. (Biology)
- Mudad R, Rao N, Angelisova P, Horejsi V, Telen MJ. Evidence that CDw108 membrane protein bears the JMH blood group antigen. *Transfusion*. 1996; 35(7):566-570.(Biology)
- Yamada A, Kubo K, Takeshita T, et al. Molecular cloning of a glycosylphosphatidylinositol-anchored molecule CDw108. *J Immunol*. 1999; 162(7):4094-4100. (Biology)