Technical Data Sheet

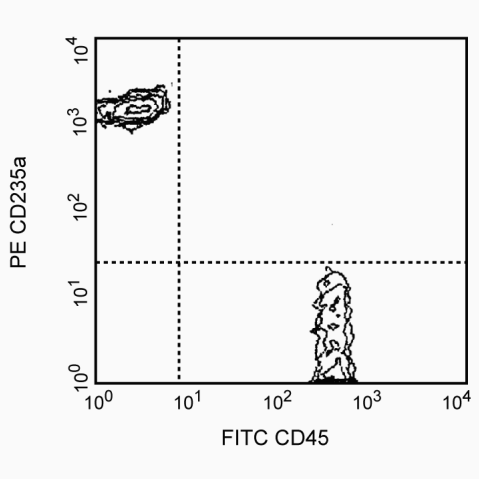
PE Mouse Anti-Human CD235a

Product Information

Material Number:	**555570**
Alternate Name:	Glycophorin A
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	GA-R2 (HIR2)
Isotype:	Mouse IgG2b, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

Glycophorin A is a sialoglycoprotein present on human red blood cells (RBC) and erythroid precursor cells. This antibody recognizes human RBCs and erythroid precursors and is useful in erythroid cell development studies. Mature, non-nucleated red blood cells are characteristically glycophorin A positive.



Profile of a mixture of human RBCs and leukocytes analyzed by flow cytometry

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 by gel filtration chromatography.

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
555743	PE Mouse IgG2b κ Isotype Control	100 tests	27-35

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. 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.

References

Bain BJ. *Leukemia diagnosis: A guide to the FAB classification.* 1990.(Biology)

Keren DF, Hanson CA, Hurtubise PE, ed. *Flow Cytometry and Clinical Diagnosis.* Chicago: American Society of Clinical Pathologists Press; 1994:1-676.(Biology)

Nakahata T, Okumura N. Cell surface antigen expression in human erythroid progenitors: erythroid and megakaryocytic markers. *Leuk Lymphoma.* 1994; 13(5-6):401-409.(Biology)

Rogers CE, Bradley MS, Palsson BO, Koller MR. Flow cytometric analysis of human bone marrow perfusion cultures: erythroid development and relationship with burst-forming units-erythroid. *Exp Hematol.* 1996; 24(5):597-604.(Biology)