Technical Data Sheet

# FITC Mouse Anti-Human CD235a

## Product Information

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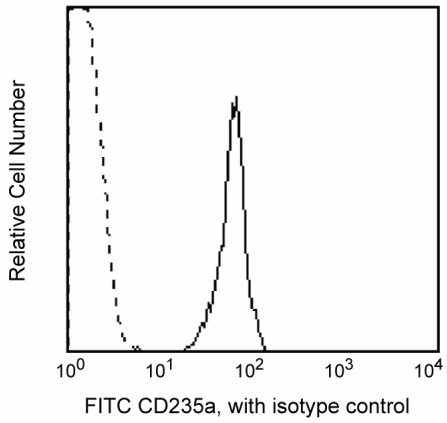
|---|---|
| **Material Number:** | **561017** |
| **Alternate Name:** | Glycophorin A |
| **Size:** | 25 µg |
| **Concentration:** | 0.5 mg/ml |
| **Clone:** | GA-R2 (HIR2) |
| **Isotype:** | Mouse IgG2b, κ |
| **Reactivity:** | QC Testing: Human |
| **Storage Buffer:** | Aqueous buffered solution containing ≤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 peripheral blood erythrocytes analyzed by flow cytometry***

## Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

## Application Notes

**Application**

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

## Suggested Companion Products

| Catalog Number | Name | Size | Clone |
|---|---|---|---|
| 555742 | FITC Mouse IgG2b κ Isotype Control | 100 tests | 27-35 |

## Product Notices

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

## 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)

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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)