
PRODUCT INFORMATION SHEET
Monoclonal antibodies detecting human antigens

Anti-Hemoglobin S (HbS)

FITC ASR REF IQP-574F CONC 50 µg/mL

ASR Analyte Specific Reagent, analytical and performance characteristics are not established.
The product complies with the ASR definitions of the U.S. Food & Drug Administration (FDA).



Description

Clone 57-8

Isotype IgG1

Specificity The HbS antibody recognizes the β -chain of the human hemoglobin. Reactivity is seen with human erythrocytes and nucleated red cell precursors containing HbS. No binding is observed with HbA, HbA2, HbC, HbE and HbF.

Applications Flow cytometry

Representative data

57-8 was analyzed by flow cytometry on a blood sample using adult red blood cells (RBCs). RBCs were fixed, permeabilized and stained with anti-HbS FITC.

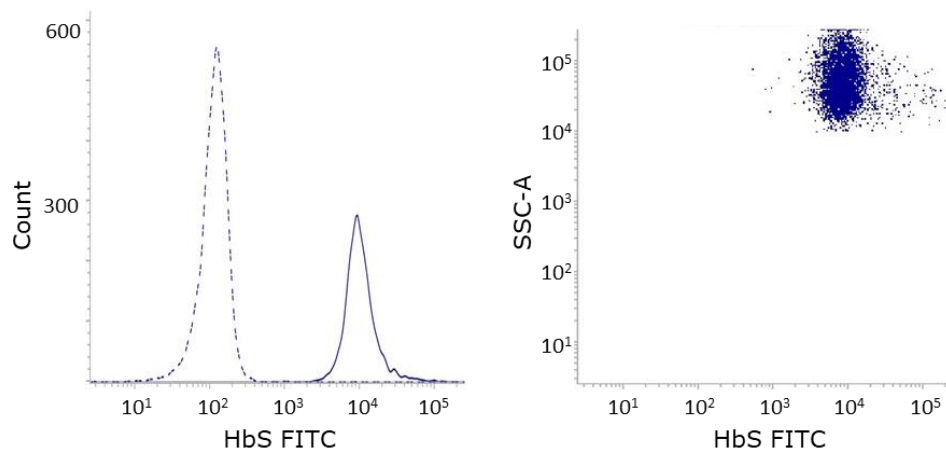


Figure: Flow cytometry analysis of whole blood stained with anti-Hemoglobin S. Histograms: uninterrupted line represents HbS^{high} sample, interrupted line represents blanc sample.



Handling and Storage

Antibodies are supplied in 0.01 M sodium phosphate, 0.15 M NaCl; pH 7.3, 0.2% BSA, 0.09% sodium azide (NaN₃). Store the vials at 2-8 °C. Monoclonal antibodies should be protected from prolonged exposure to light. Reagents are stable for the period shown on the vial label when stored properly.

Warranty Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product. IQ Products is not liable for property damage, personal injury, or economic loss caused by the product.

Characterization To ensure consistently high-quality reagents, each batch of monoclonal antibody is tested for conformance with characteristics of a standard reagent. Representative flow cytometric data is included in this data sheet.

Warning All products contain sodium azide. This chemical is poisonous and hazardous. Handling should be done by trained staff only.

Explanation of used symbols

| | |
|--|--|
| | Description |
| | Catalogue number |
| | Caution, consult accompanying document |
| | Keep away from (sun)light |
| | Biological risks |
| | Temperature limitation (°C) |
| | Analyte Specific Reagent |
| | Batch number |
| | Use by yyyy-mm-dd |
| | Manufacturer |

| | Conjugates | | Ex -max (nm) | Em -max (nm) |
|-----|-------------------|-------------------------------------|---------------------|---------------------|
| P | PURE | Unconjugated antibody | | |
| F | FITC | Fluorescein Isothiocyanate | 488 | 519 |
| R | R-PE | R-Phycoerythrin | 488, 532 | 578 |
| C | CyQ | Tandem conjugate of R-PE-and Cy5.18 | 488, 532 | 667 |
| A | APC | Allophycocyanin | 595, 633, 635, 647 | 660 |
| D | Dy-410 | Violet Dye 410 | 405 | 460 |
| PC | PerCP | Peridinin-chlorophyll-protein | 488, 532 | 678 |
| PCC | PerCP-Cy5.5 | Tandem conjugate of PerCP-and Cy5.5 | 488, 532 | 695 |



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