# Spark PLUS UV395™ anti-human CD235ab Antibody

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| **Catalog# / Size** | 306633 / 25 µg<br>306634 / 100 µg |
| **Clone** | HIR2 |
| **Regulatory Status** | RUO |
| **Workshop** | VII 70299 |
| **Other Names** | Glycophorin A/B, GPA/GPB, GYPA, GYPB |
| **Isotype** | Mouse IgG2b, κ |
| **Description** | The HIR2 antibody reacts with a common epitope of glycophorin A (CD235a) and glycophorin B (CD235b). Glycophorin A is the major sialoglycoprotein expressed on red blood cell membrane, and erythroid precursors. Glycophorin A shares strong homology with glycophorin B. The HIR2 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, but CD45 and CD71 negative. |

## Product Details

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| **Verified Reactivity** | Human |
| **Reported Reactivity** | African Green, Baboon |
| **Antibody Type** | Monoclonal |
| **Host Species** | Mouse |
| **Formulation** | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide |
| **Preparation** | The antibody was purified by affinity chromatography and conjugated with Spark PLUS UV395™ under optimal conditions. |
| **Concentration** | 0.2 mg/mL |
| **Storage & Handling** | The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. **Do not freeze**. |
| **Application** | FC - Quality tested |
| **Recommended Usage** | Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.03 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.<br><br>* Spark PLUS UV395™ has a maximum excitation of 355 nm and a maximum emission of 385 nm. |
| **Excitation Laser** | Ultraviolet Laser (355 nm) |
| **Application References**<br>**(PubMed link indicates BioLegend citation)** | 1. Mason D, *et al.* Eds. 2002. Leucocyte Typing VII. Oxford University Press. New York. |
| **RRID** | AB_3683316 (BioLegend Cat. No. 306633)<br>AB_3683316 (BioLegend Cat. No. 306634) |

## Antigen Details

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| **Structure** | Sialoglycoprotein, 20 kD |
| **Distribution** | Erythrocytes |
| **Cell Type** | Erythrocytes |
| **Biology Area** | Immunology |
| **Molecular Family** | CD Molecules |
| **Antigen References** | 1. Mason D, *et al.* Eds. 2002. Leucocyte Typing VII. Oxford University Press. New York. |
| **Gene ID** | 2993 |

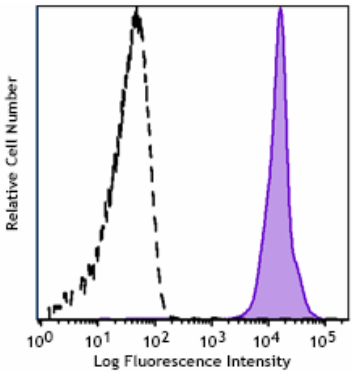
## Related Protocols

- Cell Surface Flow Cytometry Staining Protocol

## Other Formats

APC anti-human CD235ab, PE anti-human CD235ab, PE/Cyanine5 anti-human CD235ab, Purified anti-human CD235ab, FITC anti-human CD235ab, Pacific Blue™ anti-human CD235ab, PerCP/Cyanine5.5 anti-human CD235ab, Purified anti-human CD235ab (Maxpar® Ready), Biotin anti-human CD235ab, PE/Cyanine7 anti-human CD235ab, APC/Fire™ 750 anti-human CD235ab, TotalSeq™-A0196 anti-human CD235ab, TotalSeq™-C0196 anti-human CD235ab, TotalSeq™-B0196 anti-human CD235ab, TotalSeq™-D0196 anti-human CD235ab, TotalSeq™-Bn0196 anti-human CD235ab, Spark PLUS UV395™ anti-human CD235ab, Spark Blue™ 550 anti-human CD235ab (Flexi-Fluor™), Spark Blue™ 574 anti-human CD235ab (Flexi-Fluor™) Antibody, Spark Red™ 718 anti-human CD235ab (Flexi-Fluor™)

## Product Data




Human red blood cells were stained with anti-human CD235ab (clone HIR2) Spark PLUS UV395™ (filled histogram) or mouse IgG2b, κ Spark PLUS UV395™ isotype control (open histogram).



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