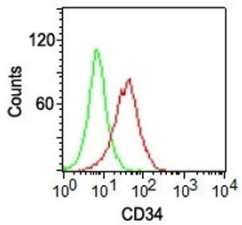
# CD34 Antibody for FACS CF488 / Green Channel Detection Antibody [clone ICO-115] (V2065CF488)

| Catalog No. | Formulation | Size |
|---|---|---|
| V2065CF488-100T | 500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 Tests |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Rat |
| **Format** | CF488 Conjugate |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | ICO-115 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P28906 |
| **Localization** | Cell surface |
| **Applications** | Flow cytometry: 5ul per test per million cells in 0.1ml or 5ul per 100ul of whole blood<br>Immunofluorescence: 1:50-1:100 |
| **Limitations** | This CD34 Antibody for FACS CF488 / Green Channel Detection Antibody is available for research use only. |




CD34 Antibody for FACS CF488. Flow cytometry analysis of CD34 surface expression in human KG-1 cells using a Green Channel Detection Antibody, clone ICO-115 conjugated to CF488, shows a clear right-shifted population (red) compared to isotype control (green), indicating specific detection of CD34-positive cells with strong signal in the green fluorescence channel. The distinct population separation supports accurate gating of leukemia-associated blast populations and highlights the antibodyâ€™s suitability for flexible panel design in multiparameter flow cytometry.

## Description

Cluster of Differentiation 34 (CD34) is a transmembrane glycoprotein expressed on hematopoietic stem and progenitor cells and serves as a key marker of early hematopoietic populations. CD34 Antibody for FACS enables detection of

CD34-positive cells in flow cytometry, where fluorophore selection plays a central role in panel design and experimental flexibility. Conjugation to CF488 provides bright green-channel fluorescence with spectral properties comparable to FITC, allowing broad compatibility with standard flow cytometry configurations.

CD34 antibody, also known as leukemia stem cell marker antibody or progenitor cell detection antibody, is widely used to identify CD34-positive populations across a range of biological contexts. In flow cytometry, green-channel fluorophores are frequently used for primary markers due to their compatibility with common laser and filter setups. CF488 provides stable fluorescence and strong signal intensity, supporting reliable detection of CD34-positive cells in both simple and complex panels.

This CD34 Antibody for FACS is uniquely positioned for green-channel detection, where it enables flexible panel design and efficient use of available fluorescence channels. The spectral characteristics of CF488 allow integration with red and far-red fluorophores, supporting balanced multicolor panel configurations with minimal spectral conflict.

Clone ICO-115 conjugated to CF488 provides consistent surface staining and clear population separation, enabling accurate gating of CD34-positive cells across a variety of sample types. Its performance supports reliable identification of progenitor and leukemia-associated populations while maintaining compatibility with widely used instrument settings.

In multiparameter flow cytometry, green-channel fluorophores are often used as foundational markers within panel design strategies. CF488-conjugated CD34 antibodies allow researchers to anchor panel structure while preserving flexibility for additional markers in other channels.

Overall, CD34 Antibody for FACS with CF488 conjugation provides reliable green-channel detection, strong signal stability, and flexible integration into multicolor flow cytometry panels, supporting accurate identification and analysis of CD34-positive cell populations.

This antibody is part of our CD34 antibody collection, supporting research into stem cell biology, endothelial markers, and tumor angiogenesis.

## Application Notes

Optimal dilution of the CD34 Antibody for FACS CF488 / Green Channel Detection Antibody should be determined by the researcher.

## Immunogen

Blast cells from a chronic myeloid leukemia patient were used as the immunogen for this CD34 antibody.

## Storage

Store the CD34 antibody at 2-8oC, protected from light.

## Alternate Names

CD34 CF488 antibody, CD34 green fluorophore antibody, CD34 FITC equivalent antibody, CD34 flow cytometry green channel antibody, CD34 multiparameter FACS antibody

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