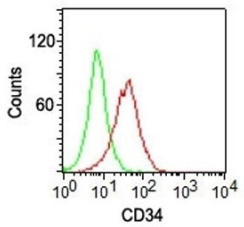
CD34 Antibody [clone ICO-115] (V2065CF488)

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
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 one 10^6 cells in 0.1ml or 5ul per 100ul of whole blood Immunofluorescence : 1:50-1:100
Limitations	This CD34 antibody is available for research use only.



Surface flow cytometric analysis of CD34 on human KG-1 cells using CD34 antibody (clone ICO-115, red) and isotype control antibody (green).

Description

CD34 antibody CF488 conjugate clone ICO-115 is a monoclonal antibody specific for CD34, a glycoprotein expressed on hematopoietic stem and progenitor cells and vascular endothelial cells. CD34 is a standard marker for stem cell isolation, vascular studies, and cancer research. With direct conjugation to CF488, this antibody produces bright green fluorescence, allowing efficient detection of CD34 expression in fluorescence-based studies. NSJ Bioreagents provides CD34 antibody CF488 conjugate clone ICO-115 for stem cell, vascular, and oncology research.

The antibody produces vivid membranous staining of CD34 positive cells, including hematopoietic progenitors in bone marrow and endothelial cells in blood vessels. The green signal supports applications in flow cytometry, fluorescence microscopy, and multicolor imaging, where direct conjugation simplifies workflows by eliminating secondary reagents.

In stem cell research, CD34 antibody CF488 conjugate clone ICO-115 is employed to track progenitor cell populations and to study hematopoietic stem cell biology. It also aids in evaluating transplantation outcomes by monitoring stem cell engraftment.

In vascular research, this antibody highlights endothelial cells, supporting studies of angiogenesis and vascular disease. Its use provides insight into vessel formation, cardiovascular pathology, and tissue repair processes.

In oncology, CD34 antibody CF488 conjugate clone ICO-115 is applied to assess tumor angiogenesis and to study the role of CD34 positive progenitors in tumor biology. By providing direct green fluorescent detection, the antibody enhances the sensitivity and efficiency of these studies.

Validated in fluorescence-based systems, the antibody consistently delivers bright signals with minimal background. Alternate names include hematopoietic progenitor marker antibody CF488, vascular endothelial marker antibody CF488, and stem cell marker CD34 antibody CF488 conjugate.

Application Notes

Optimal dilution of the CD34 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.