

Product Data Sheet

PE/Cy5 anti-human CD135 (Flt-3/Flk-2)

Catalog # / Size: 313310 / 100 tests

Clone: BV10A4H2

Isotype: Mouse IgG1, κ

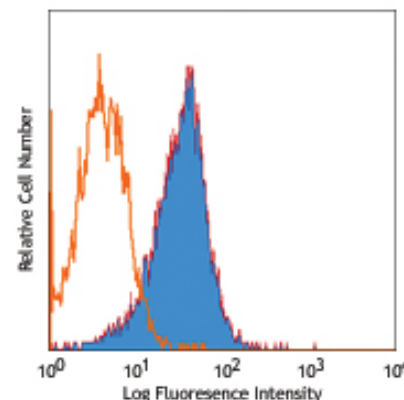
Immunogen: BV-173 pro-B cell line

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE/Cy5 under optimal conditions. The solution is free of unconjugated PE/Cy5 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human pre-B cell line REH stained with BV10A4H2 PE/Cy5

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

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Description: CD135 is a 130-160 kD type III tyrosine kinase receptor expressed on CD34⁺ hematopoietic stem cells, myelomonocytic progenitors, primitive B cell progenitors, and thymocytes. CD135 is also expressed on malignant hematopoietic cells including AML, ALL and CML-BC. CD135, also known as FMS-like tyrosine kinase-3, FLT3, STK-1, and Flk-2, is a growth factor receptor that binds the FLT3 ligand to promote the growth and differentiation of primitive hematopoietic cells. The intracytoplasmic domain of CD135 is modified by phosphorylation and has been shown to interact with Grb2, SOCS1, VAV1, and Shc.

Antigen References:

1. Rappold I, *et al.* 1997. *Blood* 90:111.
2. Rosnet O, *et al.* 1996. *Acta Haematol.* 95:218.
3. Rosnet O, *et al.* 1996. *Leukemia* 10:238.
4. Bertho JM, *et al.* 2000. *Scand. J. Immunol.* 52:53.

Related Products:

Product	Clone	Application
PE/Cy5 Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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