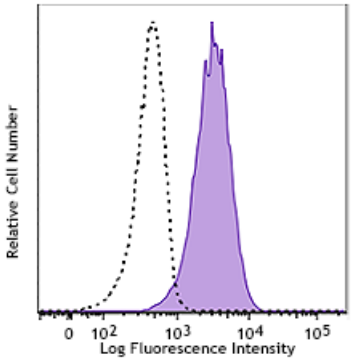
SONY

Product Data Sheet

PE/Dazzle™ 594 anti-human CD135 (Flt-3/Flk-2)

Catalog # / Size:	2166595 / 25 tests 2166600 / 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/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific



Human pre-B cell line REH was stained with CD135 (Flt-3/Flk-2) ((clone BV10A4H2) PE/Dazzle™ 594 (filled histogram), or Mouse IgG1, κ PE/Dazzle™ 594 isotype control (open histogram).

Applications:

Applications:	Flow Cytometry
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 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood. * PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.
Application References:	

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.

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