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Jun. 06

DATA SHEET

CD105-FITC

(Cat #5100-F100T)

MOUSE MONOCLONAL ANTIBODY ANTI-HUMAN CD105, FITC CONJUGATED

Clone	F4-30C5
Isotype	IgG2a
Partner of fusion	X63Ag8/653
Immunogen	Human umbilical cord vein endothelial cells (HUVEC).
Specificity	CD105, also known as endoglin, is a component of the TGF- β receptor complex. It is mainly expressed on endothelial cells. Strong binding to human L-endoglin (full length) transfectants in NIH 3T3 murine fibroblasts has established the specificity of this antibody ⁽¹⁾ .
Reactivity	Flow cytometry quantitation of CD105, using QIFIKIT [®] and unconjugated antibody clone F4-30C5, demonstrates that the antigen is highly expressed on HUVEC (602,000 +/- 223,000 molecules per cell, mean +/- SD) ⁽²⁾ .
Application	Flow cytometry ⁽¹⁾⁽²⁾ .
Form	FITC conjugated purified immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 2 mL.
Size	100 tests, ready for use.
Suggested amount	20 μ L/test for 100 μ L sample.
Preservative	Sodium azide < 0.1%.
Storage	The conjugated antibody should be stored in the dark at +2-8°C. Do not freeze.
HLDA Workshop	Leucocyte Typing VI.
References	1. Kishimoto T. <i>et al.</i> , Leucocyte Typing VI, Garland Publishing. 1997, 703-709. 2. Mutin M. <i>et al.</i> , Tissue antigens. 1997, 50(5), 449-458.

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