

anti-human CD71 FITC-conjugated

The antibody HI166 reacts with CD71 antigen (transferrin receptor), a 95 kDa type II homodimeric transmembrane glycoprotein expressed on activated B and T lymphocytes, macrophages and erythroid precursors; it is lost on resting blood leukocytes. The HI166 antibody inhibits CD71, Transferrin receptor activity.

CD71 (transferrin receptor) is a type II transmembrane glycoprotein expressed as homodimer in erythroid blood cell line and in activated leukocytes. CD71 antigen is expressed typically at high level on all proliferating cell, activated cells and erythroblasts or reticulocytes that require iron, but not on resting peripheral blood leukocytes and mature erythrocytes. CD71 antigen is also expressed at high level on cells of most neoplastic cell lines and 29-32% of bone marrow cells. A soluble form of CD71 in serum (plasma) exists besides a membrane form. Monitoring the soluble form of CD71 antigen in plasma is a diagnostic marker of anemia besides assaying plasma ferritin.

Clone:	HI166
Isotype:	Mouse IgG1
Physical state:	Liquid for direct use
Form:	purified antibody conjugated with Fluorescein isothiocyanate (FITC)
Buffer:	PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.2)
Storage:	Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.
Application:	Flow Cytometry
Reference:	*Leukocyte Typing IV., Knapp W. et al. (Eds.), Oxford University Press (1989). *Leukocyte Typing V., Schlossman S. et al. (Eds.), Oxford University Press (1995).
Quantity:	1.0 ml
Order N°:	H12526F

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

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