

PE Anti-Transferrin Receptor antibody [MEM-75] ab18242

1 References [画像数 1](#)

製品の概要

製品名	PE Anti-Transferrin Receptor antibody [MEM-75]
製品の詳細	PE Mouse monoclonal [MEM-75] to Transferrin Receptor
由来種	Mouse
標識	PE. Ex: 488nm, Em: 575nm
特異性	CD71 antigen (transferrin receptor). This antibody does not block binding of transferrin to the receptor.
アプリケーション	適用あり: Flow Cyt
種交差性	交差種: Human
免疫原	Tissue, cells or virus corresponding to Human Transferrin Receptor. NALM-6 human pre-B cell line
ポジティブ・コントロール	Human blood cells.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituents: PBS, BSA</p> <p>BSA is IgG and protease free</p>
特記事項 (精製)	The conjugate was purified by size exclusion chromatography.
ポリ/モノ	モノクローナル

クローン名	MEM-75
アイソタイプ	IgG1

アプリケーション

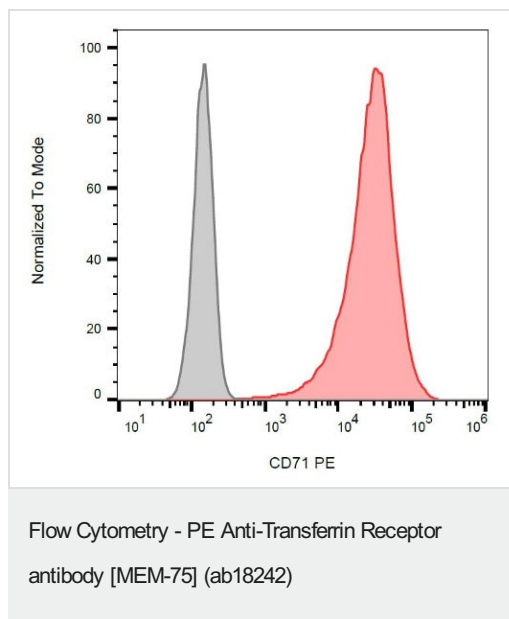
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アプリケーション	Abreviews	特記事項
Flow Cyt		Use 10µl for 10 ⁶ cells. or 10 ul per 100 ul of whole blood. ab01257 Mouse monoclonal IgG1 is suitable for use as an

ターゲット情報

機能	Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system (By similarity). A second ligand, the heditary hemochromatosis protein HFE, competes for binding with transferrin for an overlapping C-terminal binding site. Positively regulates T and B cell proliferation through iron uptake (PubMed:26642240). (Microbial infection) Acts as a receptor for new-world arenaviruses: Guanarito, Junin and Machupo virus.
関連疾患	Immunodeficiency 46
配列類似性	Belongs to the peptidase M28 family. M28B subfamily. Contains 1 PA (protease associated) domain.
翻訳後修飾	N- and O-glycosylated, phosphorylated and palmitoylated. The serum form is only glycosylated. Proteolytically cleaved on Arg-100 to produce the soluble serum form (sTfR). Palmitoylated on both Cys-62 and Cys-67. Cys-62 seems to be the major site of palmitoylation.
細胞内局在	Secreted and Cell membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

画像



Flow Cytometry analysis of CD71 in K562 cells (red) and human lymphocytes (negative, grey) labeling Transferrin Receptor with Anti-Transferrin Receptor antibody [MEM-75] (Phycoerythrin) (ab18242).

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