

# Biotin Anti-Transferrin Receptor antibody [MEM-75] ab28116

### 製品の概要

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製品名	Biotin Anti-Transferrin Receptor antibody [MEM-75]
製品の詳細	Biotin Mouse monoclonal [MEM-75] to Transferrin Receptor
由来種	Mouse
標識	Biotin
特異性	ab28116 recognises CD71 antigen (transferrin receptor).
アプリケーション	<b>適用あり:</b> IP, Flow Cyt, WB
種交差性	<b>交差種:</b> Human
免疫原	Tissue, cells or virus corresponding to Human Transferrin Receptor. NALM-6 human pre-B cell line
特記事項	<p>ab28116 does not block binding of transferrin to the receptor.</p> <p>The purified antibody is conjugated with Biotin-LC-NHS.</p> <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&amp;As</p>

### 製品の特性

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製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
精製度	Protein A purified
一次抗体 備考	ab28116 does not block binding of transferrin to the receptor.
ポリ/モノ	モノクローナル
クローン名	MEM-75

## アプリケーション

**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab28116の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab18434</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration.

## ターゲット情報

<b>機能</b>	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 hereditary 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.
<b>関連疾患</b>	Immunodeficiency 46
<b>配列類似性</b>	Belongs to the peptidase M28 family. M28B subfamily. Contains 1 PA (protease associated) domain.
<b>翻訳後修飾</b>	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.
<b>細胞内局在</b>	Secreted and Cell membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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