abcam

Product datasheet

CF405M Anti-Transferrin Receptor antibody [FG2/12] ab115782

1 图像

概述

产品名称	CF405M Anti-Transferrin Receptor抗体[FG2/12]
描述	CF405M小鼠单克隆抗体[FG2/12] to Transferrin Receptor
宿主	Mouse
偶联物	CF405M. Ex: 408nm, Em: 452nm
经测试应用	**适用于:** Flow Cyt
种属反应性	**与反应:** Human
免疫原	The details of the immunogen for this antibody are not available.
阳性对照	K562 cells.
常规说明	CF405M (Abs/Em Max: 408/450nm). Direct replacement for Pacific Blue dye®, BD Horizon™ V450. 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. 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

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	pH: 7.20 Preservative: 0.09% Sodium azide
纯度	Protein G purified
克隆	单克隆
克隆编号	FG2/12
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab115782于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use 5µl for 10^6 cells. **ab126026** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能 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.

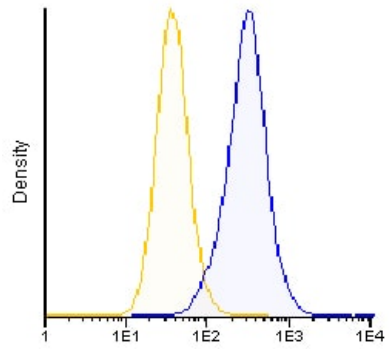
疾病相关 Immunodeficiency 46

序列相似性 Belongs to the peptidase M28 family. M28B subfamily.
Contains 1 PA (protease associated) domain.

翻译后修饰 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.

细胞定位 Secreted and Cell membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

图片



Flow Cytometry - CF405M Anti-Transferrin Receptor antibody [FG2/12] (ab115782)

ab115782 at 5µl/10^6 cells staining CD71 in K562 cells by Flow Cytometry (shown in yellow).
Isotype control (blue).

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors