

Anti-Transferrin Receptor antibody [11F5] ab10249

2 References

概述

产品名称	Anti-Transferrin Receptor抗体[11F5]
描述	小鼠单克隆抗体[11F5] to Transferrin Receptor
宿主	Mouse
特异性	This antibody reacts with human soluble transferrin receptor.
经测试应用	适用于: ELISA, Sandwich ELISA
种属反应性	与反应: Human
免疫原	Recombinant full length protein (Human).
常规说明	<p>Concentration varies from lot to lot and can be provided on request.</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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: PBS
纯度	Protein A purified
纯化说明	Purity tested by electrophoresis.
克隆	单克隆
克隆编号	11F5
骨髓瘤	Sp2/0
同种型	IgG2b

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab10249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
ELISA		
Sandwich ELISA		

应用说明

ELISA: Use at an assay dependent dilution.

sELISA: Can be paired for ELISA with **Mouse monoclonal [7F8] to Transferrin Receptor (HRP) (ab10254)**. Can be used as detection antibody with **Mouse monoclonal [2B6] to Transferrin Receptor (ab38168) as capture antibody**. Use at an assay dependent dilution.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

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 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.

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.

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