

# Anti-Transferrin Receptor antibody [B349 (DF1513)] ab8598

★★★★★ [2 Abreviews](#) [6 References](#)

### 概述

<b>产品名称</b>	Anti-Transferrin Receptor抗体[B349 (DF1513)]
<b>描述</b>	小鼠单克隆抗体[B349 (DF1513)] to Transferrin Receptor
<b>宿主</b>	Mouse
<b>特异性</b>	This antibody reacts with the transferrin receptor, a 180-190 kD transmembrane glycoprotein which exists as a 95 kD homodimer with interchain disulfide bond. The specificity of these antibodies, as demonstrated by immunoprecipitation, are equivalent to OKT9, B3/25 and BerT9. This antibody reacts with many proliferating cells in both normal and neoplastic tissues. It also reacts with renal tubular epithelium, islets of Langerhans, scattered cells in the anterior pituitary, hepatocytes and most tissue macrophages.
<b>经测试应用</b>	<b>适用于:</b> IHC-Fr, ICC/IF, Flow Cyt, WB
<b>种属反应性</b>	<b>与反应:</b> Human
<b>免疫原</b>	Tissue, cells or virus corresponding to Human Transferrin Receptor. Cell line KG1.
<b>阳性对照</b>	Tonsil.
<b>常规说明</b>	<p>This antibody is an indicator of proliferation activity. It also has prognostic significance when typing tumors, such as leukemias and lymphomas.</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>

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>存储溶液</b>	pH: 7.40 Preservative: 0.1% Sodium azide

纯度	Constituent: PBS Protein G purified
Primary antibody说明	This antibody is an indicator of proliferation activity. It also has prognostic significance when typing tumors, such as leukemias and lymphomas.
克隆	单克隆
克隆编号	B349 (DF1513)
骨髓瘤	unknown
同种型	IgG1
轻链类型	kappa

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用ab8598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
IHC-Fr		Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	Use at an assay dependent concentration.

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

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