

## Product datasheet

# Anti-Transferrin Receptor antibody [2B6] (HRP) ab10252

### 製品の概要

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製品名	Anti-Transferrin Receptor antibody [2B6] (HRP)
製品の詳細	Mouse monoclonal [2B6] to Transferrin Receptor (HRP)
由来種	Mouse
標識	HRP
特異性	This antibody reacts with human soluble transferrin receptor.
アプリケーション	<b>適用あり:</b> Sandwich ELISA, ELISA
種交差性	<b>交差種:</b> Human
免疫原	Recombinant full length protein (Human).
特記事項	Concentration varies from lot to lot and can be provided on request.

### 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.
バッファー	Preservative: 0.05% Proclin Constituents: PBS, pH 7.4
精製度	Protein A purified
特記事項 (精製)	Purity tested by electrophoresis.
ポリ/モノ	モノクローナル
クローン名	2B6
ミエローマ	Sp2/0
アイソタイプ	IgG2a

### アプリケーション

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Our [Abpromise guarantee](#) covers the use of **ab10252** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
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Sandwich ELISA

ELISA

### 追加情報

ELISA: Use at an assay dependent dilution.  
 sELISA: Use at an assay dependent dilution.  
 Can be paired for ELISA with [Mouse monoclonal \[11F5\] to Transferrin Receptor \(ab10249\)](#) and [Mouse monoclonal \[5B11\] to Transferrin Receptor \(ab10253\)](#).  
 Not yet tested in other applications.  
 Optimal dilutions/concentrations should be determined by the end user.

### 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 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.

**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.

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