

# Recombinant Transferrin Receptor 1 Monoclonal Antibody



Catalog Number:E-AB-81490

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

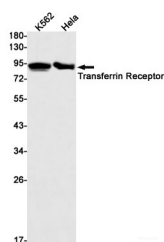
## Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant protein of human Transferrin Receptor
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	R08-6H2
<b>Purification</b>	Affinity Purified
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein

## Applications Recommended Dilution

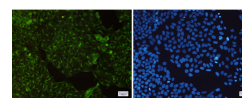
<b>WB</b>	1:500-1:1000
<b>IF</b>	1:20-1:200

## Data



Western blot detection of Transferrin Receptor in K562,Hela cell lysates using Transferrin Receptor Rabbit mAb(1:1000 diluted).Predicted band size:84kDa.Observed band size:90kDa.

**Observed Mw:90kDa**  
**Calculated Mw:84kDa**



Immunofluorescence of Transferrin Receptor(green) in Hela cells using Transferrin Receptor Rabbit mAb at dilution 1:200, and DAPI(blue)

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

CD71,also known as transferrin receptor protein 1 (TfR1),is a transmembrane glycoprotein composed of two disulfide-linked monomers,each of 90 kDa molecular weight. Each monomer binds one holo-transferrin molecule creating an iron-Tf-TfR complex which enters the cell by endocytosis. CD71 is present on actively proliferating cells and is essential for iron transport into proliferating cells.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017