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## CD71/Transferrin Receptor Rabbit mAb

Catalog No.: A25900 Recombinant

## **Basic Information**

## **Observed MW**

90-100 kDa

#### **Calculated MW**

85 kDa

## Category

Primary antibody

## **Applications**

WB,IP,IF/ICC,IF-P,IHC-P,ELISA

### **Cross-Reactivity**

Human, Mouse

#### CloneNo number

ARC3287

## **Background**

This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified.

## **Recommended Dilutions**

WB 1:500 - 1:1000

IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

IF/ICC 1:50 - 1:200

IF-P 1:50 - 1:200

IHC-P 1:100 - 1:500

ELISA Recommended starting concentration is 1

μg/mL.Please optimize

the concentration based on your specific assay requirements.

## **Immunogen Information**

Gene ID	Swiss Prot
7037	P02786

### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## Synonyms

T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46

## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

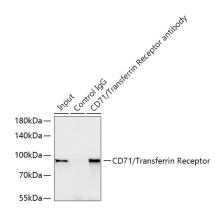
## Storage

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

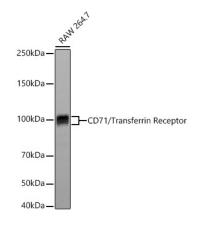
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Contact

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Immunoprecipitation of CD71/Transferrin Receptor from 300  $\mu$ g extracts of K-562 cells was performed using 1  $\mu$ g of CD71/Transferrin Receptor Rabbit mAb (A25900). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using CD71/Transferrin Receptor Rabbit mAb (A25900) at a dilution of 1:1000.



Western blot analysis of lysates from RAW 264.7 cells using CD71/Transferrin Receptor Rabbit mAb (A25900) at 1:1000 dilution incubated overnight at  $4^{\circ}$ C.

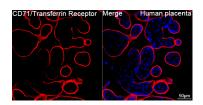
Secondary antibody: HRP-conjugated Goat anti-Rabbit  $IgG\ (H+L)\ (AS014)\ at\ 1:10000\ dilution.$ 

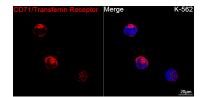
Lysates/proteins: 25 µg per lane.

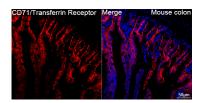
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 20s.



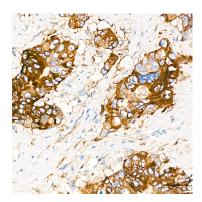




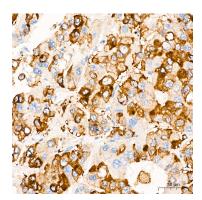
Confocal imaging of paraffin-embedded Human placenta tissue using CD71/Transferrin Receptor Rabbit mAb (A25900, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of K-562 cells using CD71/Transferrin Receptor Rabbit mAb (A25900, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

Confocal imaging of paraffin-embedded Mouse colon tissue using CD71/Transferrin Receptor Rabbit mAb (A25900, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffinembedded Human colon carcinoma tissue using CD71/Transferrin Receptor Rabbit mAb (A25900) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human liver cancer tissue using CD71/Transferrin Receptor Rabbit mAb (A25900) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse intestin tissue using CD71/Transferrin Receptor Rabbit mAb (A25900) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.