

Anti-CD71/Transferrin Receptor antibody (100-250 aa) [SRM5071] (STJ11106847)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human

PRODUCT PROPERTIES

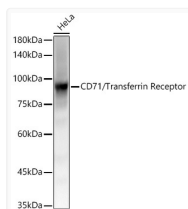
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:80000-1:480000 IHC-P:1:200-1:2000 IF/ICC:1:100-1:400 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 85kDa Observed Mw: 90kDa

TARGET INFORMATION

Gene ID	7037
Gene Symbol	TFRC
UniProt ID	TFR1_HUMAN
Immunogen Region	100-250 aa
Immunogen Sequence	RLAGTESPVREEPGEDFPAA RRLYWDDLKPKLSEKLDSTD FTGTIKLLNENSYVPREAGS QKDENLALYVENQFREFKLS KWRDQHFVKIQVKDSAQNS VIIVDKNGRLVYLVENPGGY VAYSKAATVTGKLVHANFGT KKDFEDLYTPV
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 100-250 of human CD71/Transferrin Receptor (NP_003225.2).

ADDITIONAL INFORMATION

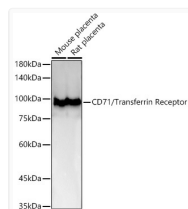
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



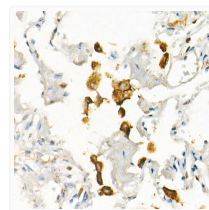
Western blot analysis of lysates from HeLa cells, using CD71/Transferrin Receptor Rabbit mAb (STJ11106847) at 1:80000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution.

Lysates/proteins: 25 Mu g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit
Exposure time: 5s.



Immunohistochemistry analysis of paraffin-embedded Human lung using CD71/Transferrin Receptor Rabbit mAb (STJ11106847) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to immunohistochemistry staining.



Confocal imaging of HeLa cells using CD71/Transferrin Receptor Rabbit mAb (STJ11106847, dilution 1:200) (Red). The cells were counterstained with CD44 Rabbit mAb (STJ254679, dilution 1:200) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.