



## Transferrin Monoclonal Antibody(10C7)

E20-53592

**Catalog No:**E20-53592**Applications:**IHC-p, WB, ELISA**Reactivity:**Human**Gene Name:**TF**Protein Name:**Serotransferrin (Transferrin) (Beta-1 metal-binding globulin) (Siderophilin)**Human Gene Id:**7018**Human Swiss Prot No:**P02787**Mouse Swiss Prot No:**Q92111**Immunogen:**Protein**Specificity:**Transferrin protein detects endogenous levels of Transferrin**Formulation:**Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.**Source:**Mouse**Dilution:**IHC 1:100-200, Western Blot: 1/500 - 1/2000.**Purification:**The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.**Concentration:**1 mg/ml**Storage Stability:**-20°C/1 year**Other Names:**TF; Serotransferrin; Transferrin; Beta-1 metal-binding globulin; Siderophilin**Observed Band(KD):**77

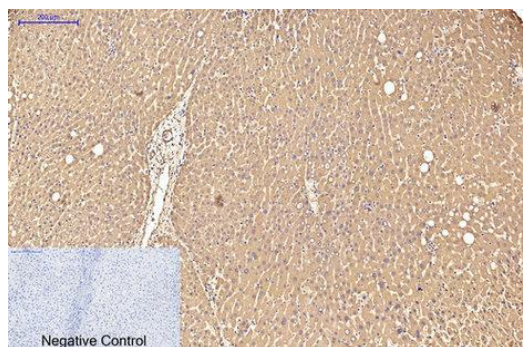
**Background:**transferrin(TF) Homo sapiens This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body.

**Function:**disease:Defects in TF are the cause of atransferrinemia [MIM:209300]. Atransferrinemia is rare autosomal recessive disorder characterized by iron overload and hypochromic anemia.,function:Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.,online information:Transferrin entry,polymorphism:Different polymorphic variants of transferrin are known.

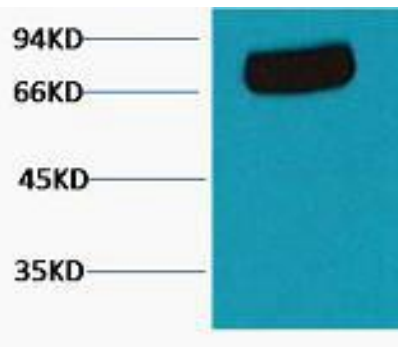
**Subcellular Location:**extracellular region,extracellular space,early endosome,late endosome, clathrin-coated pit,basal plasma membrane,cell surface,endosome membrane,cytoplasmic, membrane- bounded vesicle,apical plasma membrane,vesicle coat,endocytic vesicle.

**Expression:**Bile,Brain,Cajal-Retzius cell,Caudate nucleus,Fetal brain cortex,Fetal liver,Heart, Liver, Plasma.

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Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1, Transferrin Monoclonal Antibody(7F4) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Western blot analysis of Human serum, mAb diluted at 1:2000.