

# Recombinant Human Transferrin

Catalog Number : mly04501

## Characteristics:

<b>Source</b>	Chinese Hamster Ovary cell line
<b>Description</b>	Human Transferrin (Val20-Pro698) Accession # P02787
<b>Predicted molecular mass</b>	75.2 kDa

## Specification:

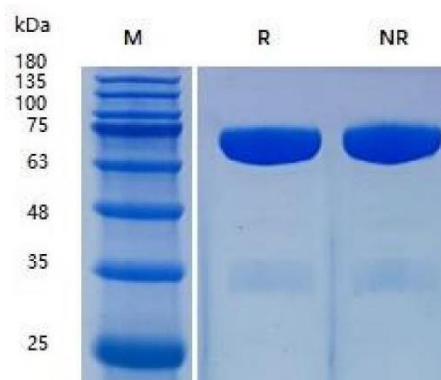
<b>Appearance</b>	Red powder, red clear liquid after reconstitution
<b>Purity</b>	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
<b>Endotoxin</b>	≤0.5 EU/mg by the LAL method
<b>Activity</b>	Measured in a serum-free cell proliferation assay using MDCK canine kidney epithelial cells. The ED <sub>50</sub> for this effect is 0.5-2 µg/mL. Optimal concentration depends on cell type as well as the application or research objectives.
<b>Formulation</b>	Lyophilized from a 0.22 µm filtered solution in sterile water.
<b>Size</b>	100 mg/vial, 1 g/vial, 10 g/vial, 100 g/vial

## Handling and Storage:

<b>Reconstitution</b>	It is recommended to redissolve in sterile deionized water.
<b>Shipping</b>	The product is shipped with blue ice
<b>Storage &amp; Stability</b>	36 months at 2°C to 8°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

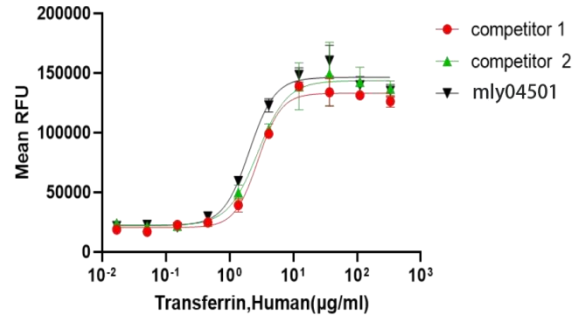
## Data:

### SDS-PAGE



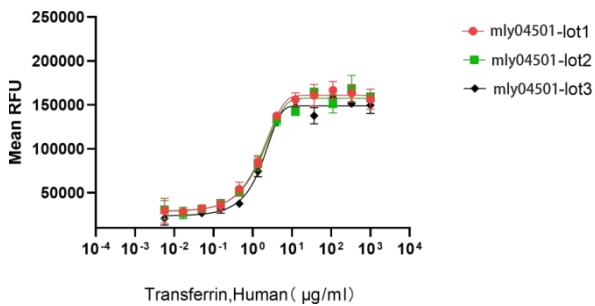
Recombinant Human Transferrin (Cat. No. mly04501) SDS-PAGE under reducing (R) & Non-reducing condition. The gel was stained with mly04501 SDS-PAGE

### Bioactivity



Recombinant Human Transferrin (Cat. No. mly04501) stimulates proliferation of MDCK cells in serum-free cell culture medium. The  $\text{ED}_{50}$  for this effect is 0.5-2 $\mu\text{g/ml}$ . The activity of mly04501 was higher than other competing products.

### Bioactivity



Highly consistent bioactivity between different production batches of Recombinant Human Transferrin (Cat. No. mly04501).

### SEC-HPLC

