

Recombinant Human Transferrin

Catalog Number: Y04501

Characteristics:

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

Specification:

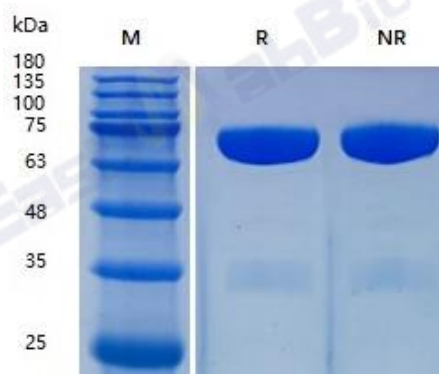
Appearance	Red powder, red clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤0.5 EU/mg by the LAL method
Activity	Measured in a serum-free cell proliferation assay using MDCK canine kidney epithelial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

Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water.
Shipping	The product is shipped with blue ice
Storage & Stability	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.

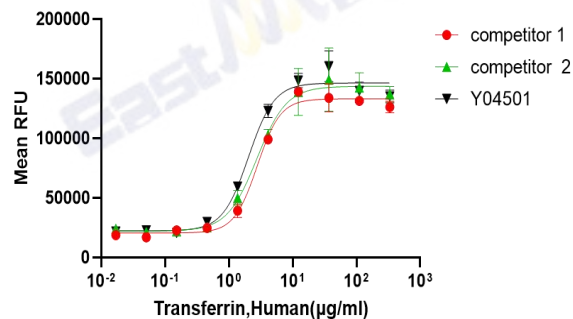
Data:

SDS-PAGE



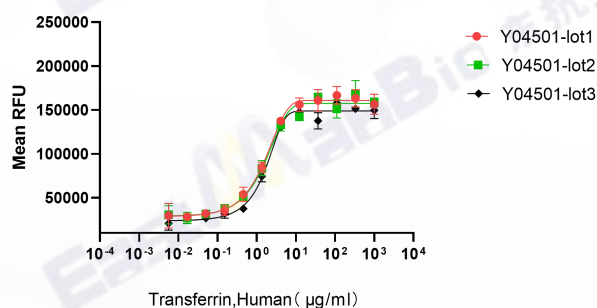
Recombinant Human Transferrin (Cat. No. Y04501) SDS-PAGE under reducing (R) & Non-reducing condition. The gel was stained with Y04501 SDS-PAGE

Bioactivity



Recombinant Human Transferrin (Cat. No. Y04501) stimulates proliferation of MDCK cells in serum-free cell culture medium. The ED₅₀ for this effect is 0.5-2μg/mL. The activity of Y04501 was higher than other competing products.

Bioactivity



Highly consistent bioactivity between different production batches of Recombinant Human Transferrin (Cat. No. Y04501).

SEC-HPLC

