

## Apo-Transferrin

Cat. No.:	HY-P3267A		
CAS No.:	11096-37-0		
Target:	Ferroportin; Transferrin Receptor		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

## Apo-Transferrin

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 50 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

Description	Apo-Transferrin refers to iron free Transferrin (HY-P3267), serves as Transferrin receptor ligand and mediates iron release from endothelial cells. Apo-Transferrin indicates an iron deficient environment, can directly bind to hephaestin, which can convert Fe <sup>2+</sup> to Fe <sup>3+</sup> . Apo-Transferrin mediates iron efflux most likely in cooperation with ferroportin 1 <sup>[1]</sup> .
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### REFERENCES

[1]. Baringer SL, et al. Apo- and holo- transferrin differentially interact with ferroportin and hephaestin to regulate iron release at the blood-brain barrier. bioRxiv [Preprint]. 2023 Jan 10:2023.01.10.522344.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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