Melanotransferrin/CD228 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P76495
Synonyms:	Melanotransferrin; MTf; CD228; MELTF; MFI2
Species:	Mouse
Source:	HEK293
Accession:	Q9R0R1 (M1-Q708)
Gene ID:	30060
Molecular Weight:	Approximately 100 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Melanotransferrin/CD228 protein is implicated in cellular iron uptake, where it appears to undergo internalization and subsequent recycling back to the cell membrane. Each subunit of this protein has the capacity to bind a single atom of iron, suggesting its role in intracellular iron transport. Additionally, Melanotransferrin/CD228 could potentially bind zinc, indicating a versatility in metal ion binding capabilities.

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