Human CD133 Protein-Nanodisc

Cat. No. CD33-HM1N144

Description

Source	Recombinant Human CD133 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus.
	It contains Gly20-His865.
Accession	O43490-1
Molecular Weight	The protein has a predicted MW of 98.60 kDa.
Endotoxin	Less than 1EU per μg by the LAL method.

Formulation and Storage

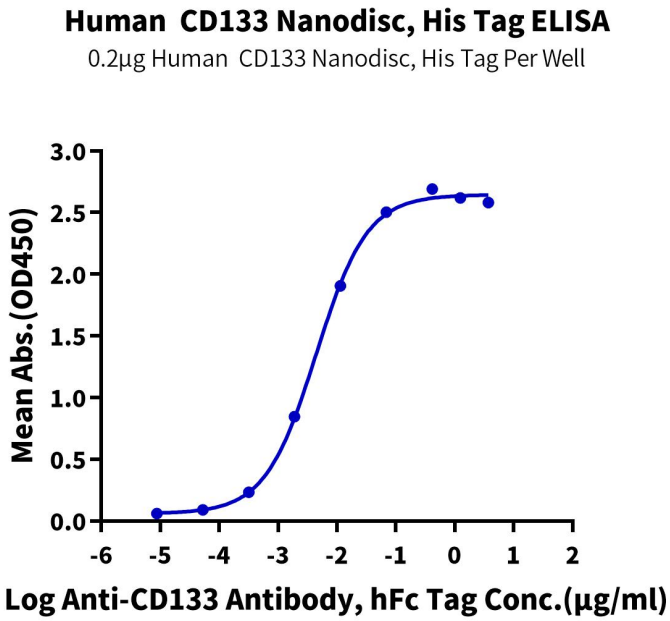
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Notice: Not recommended for immunization.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Prominin-1 (PROM1), also known as CD133, is expressed in hepatic progenitor cells (HPCs) and cholangiocytes of the fibrotic liver. It is a cell surface biomarker that allows the identification of stem and cancer stem cells from different organs. It is also expressed in several differentiated epithelial and non-epithelial cells.

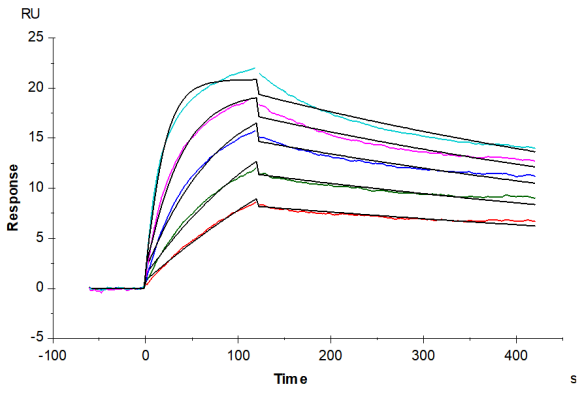
Assay Data

ELISA Data



Immobilized Human CD133 Nanodisc, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-CD133 Antibody, hFc Tag with the EC50 of 4.4ng/ml determined by ELISA (QC Test).

SPR Data



Human CD133 Nanodisc, His Tag captured on CM5 Chip via Anti-His Antibody can bind Anti-CD133 Antibody with an affinity constant of 0.25 nM as determined in SPR assay (Biacore T200).