

MSLN/Mesothelin Protein, Human, Recombinant (His & Avi), PE-Labeled

General Information

Synonyms:	MSLN;CAK1;MPF;Mesothelin;SMR;MPFSMRP
Protein Construction:	Glu296-Gly580
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q13421-2
Molecular Weight:	35.2 kDa (predicted)

QC Testing

Biological Activity:	Immobilized PE-Labeled Human MSLN, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-MSLN Antibody, hFc Tag with the EC50 of 2.1 ng/mL determined by ELISA (QC Test).
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 6 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Mesothelin, also known as MSLN, is a protein that in humans is encoded by the MSLN gene. Cloning studies showed that the mesothelin gene encodes a precursor protein that is processed to yield mesothelin which is attached to the cell membrane by a glycosylphosphatidylinositol linkage and a 31-kDa shed fragment named megakaryocyte-potentiating factor (MPF). Although it has been proposed that mesothelin may be involved in cell adhesion, its biological function is not known. A knockout mouse line that lacks mesothelin reproduces and develops normally.

Reference

Adusumilli P S, et al. Regional delivery of mesothelin-targeted CAR T cell therapy generates potent and long-lasting CD4-dependent tumor immunity[J]. Science Translational Medicine, 2014, 6(261):261ra151-261ra15

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