

APC Human Mesothelin (E296-G580) Protein (C-Fc)

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|---------------------------|-----------------------|
| Catalog Number: | 801803, 801804 |
| Size: | 25 ug, 100 ug |
| Target Name: | Mesothelin, MPF, MSLN |
| Regulatory Status: | RUO |

PRODUCT DETAILS

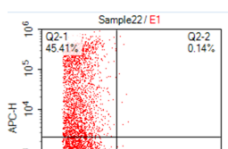
| | |
|-------------------------------|---|
| Application: | Flow Cytometry |
| Format: | Liquid, APC |
| Expression Host: | HEK293 |
| Species: | Human |
| Sources: | Human Mesothelin protein (Accession # AAH09272.1) (Glu296-Gly580) with C-terminus Fc tag is expressed in HEK293 cells and conjugated to APC. |
| Accession Number: | Q13421 |
| Molecular Weight: | The protein has a predicted molecular weight of 60kDa. Under DTT-reducing conditions, it migrates at approximately 65 kDa on SDS-PAGE prior to conjugation. |
| Affinity Tag: | C-Fc |
| Formulation: | 1xPBS buffer, pH7.4, 0.09% NaN3 with a carrier protein |
| Endotoxin level: | Not tested |
| Protein Concentration: | 25µg size is bottled at 0.1mg/mL concentration. 100 µg size is bottled at lot specific concentration. |
| Storage and Handling: | Briefly centrifuge the vial upon receipt. An unopened vial may be stored at 2-8°C for up to six months. |

BACKGROUND INFORMATION

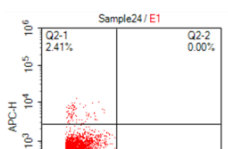
Mesothelin (MSLN), also known as CAK1, is a 70 kDa cell-surface protein cleaved into MPF (30 kDa) and mesothelin (40 kDa). MPF acts as a cytokine, while mesothelin is membrane-bound via glycosylphosphatidylinositol. It is overexpressed in various cancers, including mesotheliomas and ovarian cancer, and interacts with MUC16/CA-125, a cancer biomarker. Elevated mesothelin levels in serum make it a target for diagnostics and therapies, such as the recombinant immunotoxin SS1P, which has shown promise in clinical trials.

PRODUCT DATA

A: MSLN CAR-transfected
Stained with APC-Mesothelin-Fc



B: Mock-transfected
Stained with APC-Mesothelin-Fc



CHO cells transfected with either Mesothelin CAR or Mock plasmid were stained with APC conjugated Mesothelin (C-Fc) protein at 4ug_test

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