

HUMAN CMTM6 FULL LENGTH PROTEIN

目录: 11039

产品名称: Human CMTM6 Full Length Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: CKLFSF6; PRO2219

Target: CMTM6 (CKLF like MARVEL transmembrane domain containing 6, chemokine-like factor superfamily 6)

UNIPROT ID: Q9NX76

描述: Human CMTM6 full length protein-synthetic nanodisc

背景: CMTM6 belongs to the chemokine-like factor gene superfamily, a novel family that is similar to the chemokine and transmembrane 4 superfamilies. This gene is one of several chemokine-like factor genes located in a cluster on chromosome 3.

CMTM6 is involved in the immune-related and metabolism-related pathways. It increases the expression of programmed cell death 1 ligand 1 protein, thereby impairing T cell function. Various manufactured therapeutic monoclonal antibody drugs, e.g. pembrolizumab, atezolizumab, durvalumab, nivolumab, and avelumab, bind to and inhibit the stimulation of PD-1 on CD8+ T cells by PD-L1. In effect, they block the ability of CMTM6 to suppress PDL1/PD-1-stimulated CD8+ T-cell immune responses against tumor cells. Elevated expression of CMTM6 in glioma and head and neck squamous cell carcinoma was shown to be associated with a poor prognosis; in addition, CMTM6 is also a potential therapeutic target for triple-negative breast cancer.

Species/Host: HEK293

Molecular Weight: The human full length CMTM6 protein has a MW of 20.4 kDa

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

ELISA assay to evaluate CMTM6-Nanodisc
0.2µg Human CMTM6-Nanodisc per well

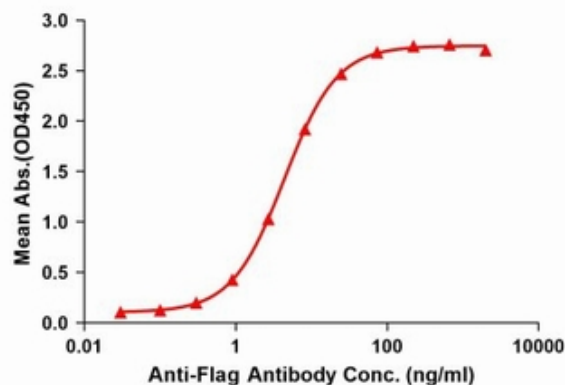


Figure1. Elisa plates were pre-coated with Flag Tag CMTM6-Nanodisc (0.2 µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with CMTM6-Nanodisc is 4.393ng/ml.



Figure2. Human CMTM6-Nanodisc, Flag Tag on SDS-PAGE