CD96 Protein, Human (HEK293, mFc)

Cat. No.:	HY-P78420
Synonyms:	CD96 molecule; CD96; DKFZp667E2122; TACTILE
Species:	Human
Source:	HEK293
Accession:	P40200-2 (V22-M503)
Gene ID:	10225
Molecular Weight:	120-160 kDa

PROPERTIES

Biological Activity	1. Immobilized Human CD96, mFc Tag at 5 μg/mL (100 μl/Well) on the plate. Dose response curve for Human CD155, hFc Tag with the EC_{50} of 0.21 μg/mL determined by ELISA. 2. Immobilized Human CD96, mFc Tag at 2 μg/mL (100 μl/Well) on the plate. Dose response curve for Anti-CD96 Antibody, hFc Tag with the EC_{50} of ≤25.9 ng/mL determined by ELISA.
Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant 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	CD96 protein appears to play a role in adhesive interactions during the late phase of the immune response, potentially involving activated T and NK cells. It facilitates NK cell-target adhesion by interacting with PVR present on target cells. CD96 may function in a phase after T and NK cells have penetrated the endothelium using integrins and selectins, actively engaging with diseased cells and navigating within areas of inflammation. Structurally, CD96 forms homodimers through disulfide linkages and interacts specifically with PVR, suggesting its involvement in cell-cell interactions crucial for immune responses during inflammation and infection.

Caution: Product has not been fully validated for medical applications. For research use only.

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