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32-13074: CD3D Human

Alternative Name :	CD3d Molecule, CD3d Antigen, Delta Polypeptide (TiT3 Complex), CD3d Molecule, Delta (CD3-TCR Complex), T-Cell Receptor T3 Delta Chain, T3D, T-Cell Surface Glycoprotein CD3 Delta Chain, CD3 Antigen, Delta Subunit, OKT3, Delta Chain, CD3d Antigen, CD3 Delta, CD3-DELTA, IMD19, CD3D.

Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
CD3D, also known as Delta Polypeptide (TiT3 Complex), is a single-pass type 1 membrane protein. CD3D jointly with CD3-zeta, CD3-gamma, CD3-epsilon and the T-cell receptor alpha/beta and gamma/delta heterodimers, creates the T-cell receptor-CD3 complex. Once antigen presenting cells (APCs) activate T-cell receptor (TCR), TCR-mediated signals are transferred through the cell membrane by the CD3 chains CD3D, CD3E, CD3G and CD3Z. Likewise, CD3D takes an important part in adaptive immune response and participates in thymocyte differentiation.
CD3D produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (22-105 a.a.) and fused to a 239 aa hIgG-His-tag at C-terminus containing a total of 323 amino acids and having a molecular mass of 36.5kDa.CD3D shows multiple bands between 40-57kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CD3D protein solution (0.5mg/ml) contains 10% glycerol & Phosphate buffered saline (pH7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	FKIPIEELED RVFVNCNTSI TWVEGTVGTL LSDITRLDLG KRILDPRGIY RCNGTDIYKD KESTVQVHYR MCQSCVELDP ATVALEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLHÂ QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTPPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGKHHH HHH

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