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32-13159: CLEC5A Human

Alternative Name : C-type lectin domain family 5 member A , CLECSF5, MDL-1, MDL1, C-type lectin superfamily member 5, Myeloid DAP12-associating lectin 1.

Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
C-type lectin domain family 5-member A isoform 1 (CLEC5A) is part of the CTL/CTLD superfamily which carry various functions, for instance cell-cell signaling, cell adhesion, glycoprotein turnover, in addition to their inflammation & immune response abilities. CLEC5A operates as a cell attachment receptor for all 4 serotypes of Dengue virus in addition to Japanese encephalitis virus. CLEC5A binds to the dengue virus and it triggers signaling through the phosphylation of TYROBP, as a result no viral entrance occurs, however this interaction does stimulate proinflammatory cytokine release. CLEC5A preforms as a positive regulator of osteoclastogenesis and also a main regulator of synovial injury & bone erosion for the period of autoimmune joint inflammation.
CLEC5A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 184 amino acids (28-188 a.a) and having a molecular mass of 20.8kDa.CLEC5A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 80.0% as determined by SDS-PAGE.
Content :	CLEC5A protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer, (pH8.0) and 10% glycerol.
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 :	MGSSHHHHHH SSGLVPRGSH MGSPQIFNKS NDGFTTTRSY GTVSQIFGSS SPSPNGFITT RSYGTVCPKD WEFYQARCFF LSTSESSWNE SRDFCKGKGS TLAIVNTPEK LKFLQDITDA EKYFIGLIYH REEKRWRWIN NSVFNGNVTN QNQNFNCATI GLTKTFDAAS CDISYRRICE KNAK.