Recombinant Human CD16b/FCGR3B Protein

Catalog Number: PKSH031290

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

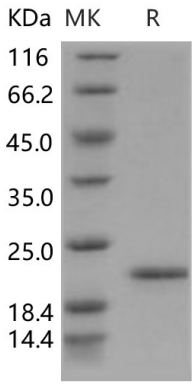
Description

Species	Human
Mol_Mass	20.0 kDa
Accession	O75015-1
Bio-activity	Using the Octet RED System, the affinity constant (Kd) of CD16b bound to Human IgG1 was 80nM.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 20mM Tris, 50mM NaCl, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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Background

Toll-free: 1-888-852-8623
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Carbohydrate sulfotransferase 15; also known as N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase; GalNAc4S-6ST; B-cell RAG-associated gene protein; CHST15 and BRAG; is a single-pass type II membrane protein which belongs to thesulfotransferase 1 family. CHST15 / BRAG is expressed in B-cell-enriched tissues but not in fetal or adult thymus. It is expressed in fetal and adult spleen; lymph node; tonsil; bone marrow and peripheral leukocytes. It is not expressed in T-cells. In pro-B; pre-B; and mature B-cell lines; it colocalizes with RAG1. CHST15 / BRAG is a sulfotransferase that transfers sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to the C-6 hydroxyl group of the GalNAc 4-sulfate residue of chondroitin sulfate A and forms chondroitin sulfate E containing GlcA-GalNAc(4;6-SO4) repeating units. It also transfers sulfate to a unique non-reducing terminal sequence; GalNAc(4SO4)-GlcA(2SO4)-GalNAc(6SO4); to yield a highly sulfated structure similar to the structure found in thrombomodulin chondroitin sulfate. CHST15 / BRAG may also act as a B-cell receptor involved in BCR ligation-mediated early activation that mediate regulatory signals key to B-cell development and / or regulation of B-cell-specific RAG expression.

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