

Human BDCA-2 Protein

Cat. No. BCA-HM402

Description

Source	Recombinant Human BDCA-2 Protein is expressed from Expi293 with His tag and Avi tag at the N-terminal. It contains Phe46-Ile213.
Accession	Q8WTT0-1
Molecular Weight	The protein has a predicted MW of 22.7 kDa. Due to glycosylation, the protein migrates to 33-40 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

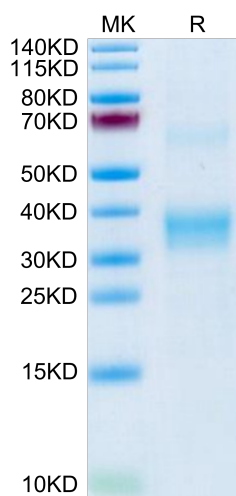
Formulation	Supplied as 0.22µm filtered solution in 20mM Tris, 500mM NaCl, 200mM Arginine (pH 8.2). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

BDCA-2, BDCA-3, and BDCA-4. In blood, BDCA-2 and BDCA-4 are expressed on CD11c(-) CD123(bright) plasmacytoid dendritic cells, whereas BDCA-3 is expressed on small population of CD11c() CD123(-) dendritic cells. All three Ags are not detectable on a third blood dendritic cell population, which is CD1c() CD11c(bright) CD123(dim), or on any other cells in blood. BDCA-2 is completely down-regulated on plasmacytoid CD11c(-) CD123(bright) dendritic cells, BDCA-2 is rapidly internalized at 37 degrees C after mAb labeling.

Assay Data

Tris-Bis PAGE



Human BDCA-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.