

## BDCA-2 Protein, Cynomolgus, Recombinant (mFc)

### General Information

Synonyms:	CLECSF11;BDCA2;DLEC;CLEC4C;CD303;HECL;BDCA-2;CLECSF7
Protein Construction:	Tyr48-Ile212
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	A0A2K5UWP4
Molecular Weight:	46.00 kDa (predicted). Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.

### QC Testing

Biological Activity:	Immobilized Cynomolgus BDCA-2, mFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-BDCA-2 Antibody, hFc Tag with the EC50 of 13.9ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

### Preparation and Storage

#### Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

Proteins are shipped with blue ice.

### Protein 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.

#### Reference

Dzionic A, et al. BDCA-2, BDCA-3, and BDCA-4: three markers for distinct subsets of dendritic cells in human peripheral blood. J Immunol. 2000 Dec 1;165(11):6037-46. doi: 10.4049/jimmunol.165.11.6037. PMID: 11086035.

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