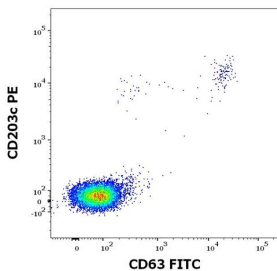


Recombinant Bet v1 (1.0101) Protein (A242914)

Specifications:

Name:	Recombinant Bet v1 (1.0101) Protein
Applications:	Flow Cytometry, ELISA
Expression System:	Escherichia coli
Nature:	Recombinant
Protein Species:	Betula verrucosa (Silver Birch)
Sequence:	DNA sequence encoding 172 amino acids was fused with a Strep Tag at the N-terminus to form this recombinant protein.
Tag:	Strep Tag (N-terminus)
Predicted MW:	19 kDa
Conjugate:	Unconjugated
Purity:	> 95% (by HPLC).
Purification:	Ion exchange chromatography and affinity purification using Strep Tag. Endotoxin was removed using a specific endotrap carrier.
Product Form:	Lyophilized
Concentration:	Reconstitution dependent.
Formulation:	Lyophilized from 100mM Tris Buffer, pH 8, with 150mM NaCl, and without preservatives or carriers (0.2 µm filter sterilized).
Storage:	Shipped at 4°C. Lyophilized: Store at -20°C to -80°C. Reconstituted: Aliquot and store at -20°C to -80°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

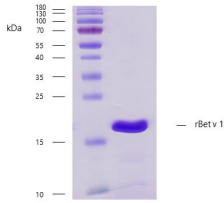
Images:



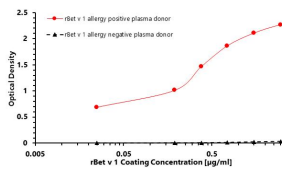
Flow cytometry dot-plot staining pattern of Recombinant Bet v 1 (1.0101) Protein stimulated human peripheral whole blood lymphocytes and basophils of a proven allergic donor stained using Anti-CD63 [MEM-259] (FITC) Antibody and Anti-CD203c [NP4D6] (PE) Antibody.

Recombinant Bet v1 (1.0101) Protein (A242914)

Images continued:



Purity verification: 5 µg of Recombinant Bet v 1 (1.0101) Protein with > 95 % purity checked by Coomassie Brilliant Blue stained SDS-PAGE.



An ELISA test was designed to prove the bond between the coated target, Recombinant Bet v 1 (1.0101) Protein, and allergen-specific human plasma IgG4 antibodies of *Betula verrucosa* positive donor. A measurable signal was subsequently generated by the addition of Anti-Human IgG4 Antibody (Biotin), Streptavidin-HRP, and substrate solution (TMB). The intensity of the signal is proportional to the amount of coated Recombinant Bet v 1 (1.0101) Protein.