

Bee Venom Phospholipase A2 Recombinant Protein

Recombinant Bee Venom Phospholipase A2

CATALOG # AAA47957	HOST E Coli	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

Bee Venom Phospholipase A2; Recombinant Bee Venom Phospholipase A2; Bee Venom Phospholipase A2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Specificity	Bee Venom Phospholipase A2
Purity/Purification	Purified by proprietary chromatography technique. Purity is >90% as determined by 105 SDS-PAGE.
Form/Format	Clear Liquid; Solution in 20mM Tris-HCL, pH 7.2, 1.5M urea, and 50% glycerol.
Concentration	1.0 mg/mL (varies by lot)
Applicable Applications for Bee Venom Phospholipase A2 recombinant protein	WB (Western Blot), ELISA
Preparation and Storage	Stable for at least 1 year if stored at or below -20 degree C. Avoid repeated freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Bee Venom Phospholipase A2 recombinant protein	Description: Recombinant protein produced in E. coli corresponds to aa 26-162 of the protein. It includes a 6XHis-tag at the C-terminus. Background: Bee venom phospholipase A2 (BVPLA2) is the primary allergen in bee venom. It is a hydrolytic enzyme which cleaves the sn-2-acyl bond of phospholipids at the lipid/water interface. BV-PLA2 is a 14-16kDa glycoprotein consisting of 134 amino acids with a single carbohydrate side chain at residue Asn13. BV-PLA2 displays 3 peptide T-cell epitopes and 1 glycopeptide T-cell epitope which are recognized by allergic and non-allergic bee venom-sensitized individuals. BVPLA2 elicits IgE-mediated allergic responses in allergic individuals. Recombinant BV-PLA2 produced in E. coli corresponds to aa 26-162 of this enzyme.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/bee-venom-phospholipase-a2-recombinant-protein-e-coli-wb-western-blot-elisa/47957>