

Recombinant Bee Venom Phospholipase A2

ORDERING INFORMATION

| Catalog No. | Size |
|-------------|--------|
| 13824P-100 | 100ug |
| 13824P-500 | 500ug |
| 13824P-1000 | 1000ug |

Formulation: Solution in 20mM Tris-HCl, pH 7.2, 1.5M urea, and 50% glycerol. Purified by proprietary chromatographic technique. Purity is >90% as determined by 10% SDS-PAGE.

BACKGROUND

Bee venom phospholipase A2 (BV-PLA2) 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. BV-PLA2 elicits IgE-mediated allergic responses in allergic individuals.

DESCRIPTION

Recombinant protein produced in *E. coli* corresponds to aa 26-162 of the protein. It includes a 6XHis tag at the C-terminus.

APPLICATIONS

ELISA, Western blot

STORAGE AND STABILITY

Stable for at least one (1) year if stored below -20°C. Avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.