

Natural Bla g 2

Product Code: NA-BG2-1

Allergen: Bla g 2 (*Blattella germanica* allergen 2)

Lot No: **xxxxxx**

Source: *B. germanica* cockroach fras

Mol. Wt: ~36 kD

Purification: Purified from cockroach extract by monoclonal antibody affinity chromatography. Purity by silver stained SDS-PAGE > 90%. (See Panel).



nBla g 2

Concentration: 1.5 mg/ml by Advanced Protein Assay (Cytoskeleton Inc., Denver, CO).

Formulation: Preservative-free and carrier-free in phosphate buffered saline pH 7.4. Filtered through 0.22 μ filter.

Storage: Store at -20°C

Notes: (1) Natural Bla g 2 purifies as a 36 kD monomer and 72 kD dimer.

For Research Use Only: Not for Diagnostic or Therapeutic Use

REFERENCES:

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2. Arruda LK, Vailes LD, Mann BJ, Shannon J, Fox JW, Vedvick TS, Hayden ML, Chapman MD. Molecular Cloning of a major cockroach (*Blattella germanica*) allergen, Bla g 2: Sequence homology to the aspartic proteases. *J Biol Chem* 1995;270:19563-8.
3. Wünschmann S, Gustchina A, Chapman MD, Pomés A. Cockroach allergen Bla g 2: An unusual aspartic proteinase. *J Allergy Clin Immunol* 2005;116:140-5.
4. Gustchina A, Li M, Wünschmann S, Chapman MD, Pomés A, Wodawer A. Crystal structure of cockroach allergen Bla g 2, an unusual zinc binding aspartic protease with a novel mode of self-inhibition. *J Mol Biol* 2005;348:433-44.
5. Pomés A, Chapman MD, Vailes LD, Blundell TL, Venugopal D. Cockroach allergen Bla g 2: Structure function and implication for allergic sensitization. *Amer J Resp Crit Care Med* 2002;165:391-7.