

## RESEARCH NOTE

### IDENTIFICATION OF MAJOR ALLERGENS OF WILDFLOWER HONEY

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**Abstract.** The aim of this study was to identify the major allergens of wildflower honey in local patients with atopic disease. SDS-PAGE revealed ten protein bands of 25 to 110 kDa, with a heavy cluster in region of 40-75 kDa. Immunoblotting demonstrated seven IgE-binding bands of 39 to 110 kDa. The 60 kDa protein had the highest frequency of IgE-binding (100%) followed by 54 kDa protein (95%), thus identified as the major allergens of wildflower honey. Our findings indicate that the allergen extract used for diagnosis of honey allergy contains both the 54 kDa and 60 kDa proteins.

**Keywords:** allergens, wildflower honey, SDS-PAGE, atopic disease

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