Anti-Betv1 Monoclonal Antibody (BV16)

Catalog #: ASPF40

Product Details

Product Description:	This mouse IgG is specific for Bet v 1, the major allergen in birch pollen. Validated in WB and ELISA, it is widely used to quantify Bet v 1 in environmental samples or to monitor the potency of allergen immunotherapy formulations.
Host Species:	Mouse
Target:	Betv1
Target Species:	Betula Pendula
Specificity:	This antibody reacts with Betula Pendula Betv1.
Species Reactivity:	Betula Pendula
Immunogen:	Bet v 1-A, a major allergen of the European white birch.
Clonality:	Monoclonal
Clone ID:	BV16
Purification:	The antibody was purified by affinity chromatography.
Purity:	>95% as determined by SDS-PAGE
Aggregation:	<5% as determined by SEC

Formulation Information

Sterility:	0.2 μM filtered
Preservative:	BSA and Azide free.
Stabilizer:	None

Applications

Applications:	Western Blot, Enzyme-linked Immunosorbent Assay
Note:	Optimal dilutions/concentrations should be determined by the end user.

Storage & Handling

Shipping:	Shipped at 4°C.
Storage:	This antibody can be stored at 2°C-8°C for one month. Upon delivery aliquot. For longer storage, store at -20°C. Avoid repeated freeze-thaw cycles.

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Target Details

Gene Symbol:	BETVIA
Protein Name:	Birch Pollen Allergen
Introduction:	Betv1 is a major allergen in birch pollen, belonging to the PR-10 protein family. It is a thermolabile protein and the main sensitizing component causing birch pollen allergy. Betv1 shows cross-reactivity with similar proteins in many food allergens, such as those in apples, cherries, and carrots, leading to pollen-food syndrome.
Alternative Names:	Birch Pollen Allergen; Major Allergen from Birch Pollen; BETVIA, Bet v 1, Betv1
Related Disease:	Birch Pollen Allergy
Function:	A major birch pollen allergen.

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