

AM33427PU-N**Monoclonal Antibody to Hev b1 - Aff - Purified**

Alternate names:	Hevea brasiliensis, REF, Rubber elongation factor protein
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	Liquid latex from the rubber tree, <i>Hevea brasiliensis</i> , is the source of natural rubber latex (NRL) and contains over 200 proteins; 14 of them have been identified as allergens. Only some allergens retain their allergenic properties through the manufacturing processes. The NRL allergens that have been shown to be clinically relevant to genuine NRL allergy, and present in the final NRL products with maintained allergenicity are Hev b1, Hev b3, Hev b5 and Hev b6.02
Uniprot ID:	P15252
NCBI:	3981
Host / Isotype:	Mouse / IgG1
Clone:	5
Immunogen:	Hev b1-MBP fusion protein expressed and purified from <i>E. coli</i> .
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS pH 7.4 Preservatives: 0.09% Sodium Azide
Applications:	ELISA: 1/32 000. Reacts as binding antibody in Capture ELISA with Hev b1 detection monoclonal antibody Cat.-No AM33426PU-N. Western Blot: 1/2000-1/4000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recombinant and native Hev b1 (Rubber elongation factor, REF).
Storage:	Upon receipt, store (in aliquots) at -20°C to -80°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. ASTM D7427 - 08e1 Standard Test Method for Immunological Measurement of Four Principal Allergenic Proteins (Hev b 1, 3, 5 and 6.02) in Natural Rubber and Its Products Derived from Latex. 2. Koh D, Ng V, Leow YH, Goh CL. A study of natural rubber latex allergens in gloves used by healthcare workers in Singapore. <i>Br J Dermatol.</i> 2005 Nov;153(5):954-9. PubMed PMID: 16225605. 3. Palosuo T, Alenius H, Turjanmaa K. Quantitation of latex allergens. <i>Methods.</i> 2002 May;27(1):52-8. PubMed PMID: 12079417. 4. Peixinho C, Tavares-Ratado P, Tomás MR, Taborda-Barata L, Tomaz CT. Latex allergy: new insights to explain different sensitization profiles in different risk groups. <i>Br J Dermatol.</i> 2008 Jul;159(1):132-6. doi: 10.1111/j.1365-2133.2008.08614.x. Epub 2008 Jul 1. PubMed PMID: 18476958.

5. Kang PB, Vogt K, Gruninger SE, Marshall M, Siew C, Meyer DM. The immuno cross-reactivity of gutta percha points. Dent Mater. 2007 Mar;23(3):380-4. Epub 2006 Mar 14. PubMed PMID: 16533519.

Pictures:

Western Blot testing of natural latex extract using anti-HevB1 antibody (clone 5) **Line 1:** 10 μ l of 20x diluted natural latex extract were loaded per line. **Line 2:** Protein size marker.

