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AM33430PU-N Monoclonal Antibody to Hev b5 - Aff - Purified

Alternate names: Major latex allergen

Quantity: 0.1 mg

Concentration: 1.0 mg/ml

Background: Liquid latex from the rubber tree, Hevea brasiliensis, 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: Q39967

NCBI: 3981

Host / Isotype: Mouse / IgG1

Clone: 4

Immunogen: Hev b5-MBP fusion protein expressed and purified from *E. coli*.

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: 1/32000. Reacts as binding antibody in Capture ELISA with Hev b5 detection monoclonal antibody Cat.-No AM33431PU-N.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Recombinant and native Hev b5 (Major latex allergen).

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. Br J Dermatol. 2005 Nov;153(5):954-9. PubMed PMID: 16225605.
3. Palosuo T, Alenius H, Turjanmaa K. Quantitation of latex allergens. Methods. 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. Br J Dermatol. 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.