Mouse mAb to Hev b6.02 (Hevein) (clone 2)

Catalogue #	A3-709-100
Immunogen:	Hev b6.02
Immunogen Description:	Hev b6.02 - MBP fusion protein expressed and purified from *E. coli*
Alternative Names:	Hevein (*Heveabrasiliensis*), processed from pro-hevein precursor
Uniprot ID:	P02877
Clonality:	Mouse monoclonal
Clone:	2
Class:	mIgG1
Reactivity:	Recombinant and native Hev b6.02
Application:	ELISA, WB
ELISA:	1: 64 000 Reacts as binding antibody in capture ELISA with Hev b6.02 detection monoclonal antibody A3-710-100.
Purification:	Protein G purification
Buffer:	PBS, 0.1% sodium azide
Related Products:	A3-710-100 - mouse monoclonal antibody to Hev b6.02, used as a detection antibody in pair with binding antibody A3-709-100 in capture ELISA. Monoclonal antibodies to Hev b1, Hev b3 and Hev b5 are available.
Shipping:	This product is shipped in non-frozen liquid form in ambient conditions
Storage:	Store at - 20 …-70 °C upon receipt. Divide antibody into aliquots prior usage. Avoid multiple freeze-thaw cycles as product degradation may result
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.

References

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.

Koh D, Ng V, Leow YH, Goh CL. 2005. A study of natural rubber latex allergens in gloves used by healthcare workers in Singapore. Br J Dermatol. 153(5):954-9.

Palosuo T, Alenius H, Turjanmaa K. 2002. Quantitation of latex allergens. Methods. 27(1):52-8.

Peixinho C, Tavares-Ratado P, Tomás MR, Taborda-Barata L, Tomaz CT. 2008. Latex allergy: new insights to explain different sensitization profiles in different risk groups. Br J Dermatol. 159(1):132-6.

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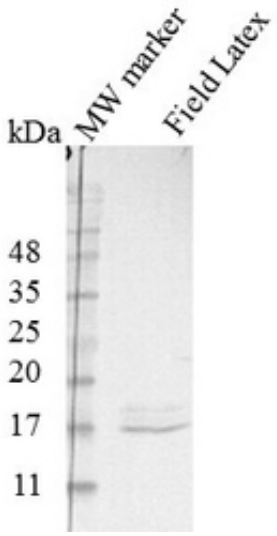

Figure 1. Western blot analysis demonstrating Hev b 6.02-2 antibody binding only to a FL antigen with an apparent MW consistent with that of prohevein (20 kDa). Hev b 6.02 is the N-terminal region of prohevein (Hev b 6.01).