

Mouse mAb to Hev b5 (Major latex allergen) (clone 4)

Catalogue #	A3-707-100
Immunogen:	Hev b5
Immunogen Description:	Hev b5 - MBP fusion protein expressed and purified from <i>E. coli</i> .
Alternative Names:	Major latex allergen (<i>Hevea brasiliensis</i>)
Uniprot ID:	Q39967
Clonality:	Mouse monoclonal
Clone:	4
Class:	mIgG1
Reactivity:	Recombinant and native Hev b5
Application:	ELISA
ELISA:	1:32 000 Reacts as binding antibody in capture ELISA with Hev b5 detection monoclonal antibody A3-708-100.
Purification:	Protein G purification
Buffer:	PBS, 0.1% sodium azide
Related Products:	A3-708-100 - mouse monoclonal antibody to Hev b5, used as a detection antibody in pair with binding antibody A3-707-100 in capture ELISA. Monoclonal antibodies to Hev b1, Hev b3 and Hev b6.02 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, <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

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.

Kang PB, Vogt K, Gruninger SE, Marshall M, Siew C, Meyer DM. 2007. The immuno cross-reactivity of gutta percha points. *Dent Mater.* 23(3):380-4