

Please, note that for reasons of shortness only the allergenic content is stated on the product label.

V 2 (100121 >)

Hev b 11-MBP

(43 N-terminal AA of *Hevea brasiliensis* (Latex) allergen 11,
Fusion to Maltose binding protein)

For research purpose only.



BIOMAY AG

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PRODUCT DESCRIPTION:

Access: EMBL: AJ238579/Swissprot: Q949H3

MW = 47073 Dalton

Mol. Ext. Coeff₂₈₀: 75,330; 1mg/ml A₂₈₀=1.60*

pI = 4.95

Lot#: 04a

Amount: 250 µg

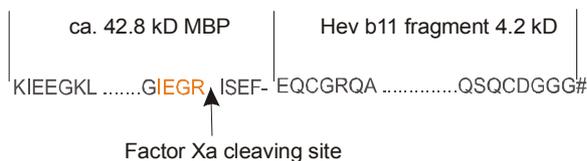
Quality: Purity > 98%

Endotoxin content: 0,058EU/µg

Reacts with IgE from Hev b 11 reactive human serum

General information:

BIOMAY Hev b 11-MBP is a recombinant fusion protein consisting of Maltose binding protein (MBP) and the 43 N-terminal AA of Hev b 11 fused to the C-terminal end of MBP.



The construct contains a factor Xa cleaving site that allows the isolation of the Hev b 11 fragment. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods, and lyophilized from phosphate buffer pH 7.4.

Reconstitution:

The material can be reconstituted with distilled water (or equivalent) or dilute buffers (2 mM β-Mercaptoethanol). Thorough agitation during

dissolution is essential. Do not use salt concentrations exceeding 20 mM to dissolve the lyophilized material. Salt may be added after dissolution.

If reconstituted to 1 mg/ml the product will be soluble to at least 99% and the phosphate concentration will be 1,2 mM.

Storage:

When stored at -20°C the quality of the material will be maintained for several years. However, for short periods (max. 3 weeks) the lyophilized product may be kept at room temperature. After reconstitution store at -20°C. Avoid repeated freezing/thawing.

Quality control:

Purity has been determined on SDS-PAGE gels stained with Coomassie Brilliant Blue R-250. Endotoxin content was determined by using a Limulus Amebocyte Lysate (LAL) assay.

Hev b 11-MBP 04a tested positive in an IgE-Immunoblot using a standardized pool of human Hev b 11-reactive sera.

*The mol.ext.coeff. was calculated from the DNA-derived protein sequence as described by Gill, S.C. and by Hippel, P.H. (1989), Analytical Biochemistry **182**, 319-326.

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V 4 (100121 >)

Hev b 11-MBP (Hev b 11.0101)

(43 N-terminal AA of *Hevea brasiliensis* (Latex) allergen 11,
Fusion to Maltose binding protein)

For research purpose only.



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PRODUCT DESCRIPTION:

Access: EMBL: AJ238579/Swissprot: Q949H3

MW = 47078 Dalton

Mol. Ext. Coeff₂₇₈: 75,330; 1mg/ml A₂₈₀=1.60*

pI = 4.86

Lot#: 04

Amount: 1 mg

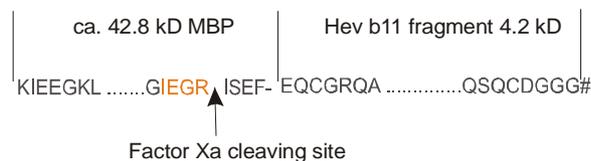
Quality: Purity > 98%

Endotoxin content: 0,052EU/μg

Reacts with IgE from Hev b 11 reactive human serum

General information:

BIOMAY Hev b 11-MBP is a recombinant fusion protein consisting of Maltose binding protein (MBP) and the 43 N-terminal AA of Hev b 11 fused to the C-terminal end of MBP.



The construct contains a factor Xa cleaving site that allows the isolation of the Hev b 11 fragment. It was produced by heterologous expression in *E. coli*, purified by conventional biochemical methods, and lyophilized from 5 mM NH₃HCO₃ (volatile).

Reconstitution:

The material should be reconstituted with distilled water (or equivalent) or dilute buffers. Do not use salt concentrations exceeding 20 mM to dissolve

the lyophilized material. Salt may be added after dissolution. Gentle agitation during dissolution is essential, afterwards incubate for 30 min to allow a complete reconstitution of the protein. If reconstituted to 1 mg/ml the product will be soluble to at least 98%.

Storage:

When stored at -20°C the quality of the material will be maintained for several years. However, for short periods (max. 3 weeks) the lyophilized product may be kept at room temperature. After reconstitution store at -20°C. Avoid repeated freezing/thawing.

Quality control:

Purity has been determined on SDS-PAGE gels stained with Coomassie Brilliant Blue R-250. Endotoxin content was determined by using a Limulus Amebocyte Lysate (LAL) assay. Hev b 11-Mal tested positive in an IgE-Immunoblot using a standardized pool of human Hev b 11-reactive sera.

*The mol.ext.coeff. was calculated from the DNA-derived protein sequence as described by Gill, S.C. and by Hippel, P.H. (1989), Analytical Biochemistry **182**, 319-326.