



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Laminin alpha 3B antibody [F7]

**Cat No. GTX17684**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Application</b>	WB, IHC-P, IHC-Fr, IP, ELISA, Purification
<b>Reactivity</b>	Human

**Package**  
100 µl

## PRODUCT

## Summary

Laminins, which consist of three subunits called alpha, beta and gamma chains, are major cell-adhesive components of extracellular matrix, especially basement membranes (BMs). The laminin family is constituted of over 15 isoforms, and each member is expressed in a tissue-specific manner and plays a differential role in each tissue. In the case of laminin alpha 3 chain, there are two splicing variants, the truncated form alpha 3A and the full-length alpha 3B. Laminin-3B32 (Lm3B32) (formerly, laminin-5B) is composed of alpha 3B, beta 3 and gamma 2 chains and less widely expressed than laminin-3A32. Although laminin-3B32 shows higher cell adhesion activity than laminin-3A32 in vitro, differences of biological functions between two laminins remain to be clarified. Recent studies identified laminin-3B11 (Lm3B11) as a new alpha 3B-type laminin. Laminin-3B11 is localized in vascular basement membranes in normal tissues, but this expression is down-regulated in cancer tissues. Laminin-3B11 stimulates microvascular endothelial cells to extend lamelliopodial protrusions. This antibody (clone F7) detects laminin-3B32 in the basement membranes of normal epithelial tissues and of relatively benign or differentiated carcinomas and laminin-3B11 in normal vascular basement membranes. This antibody is a powerful tool to detect laminin alpha 3B isoform and investigate its fundamental functions in epithelial and vascular basement membranes.

## APPLICATION

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Dilution
WB	1:1000-1:10000
IHC-P	Assay dependent
IHC-Fr	Assay dependent
IP	Assay dependent
ELISA	Assay dependent
Purification	Assay dependent

**Note : The reactivity on reducing conditions of western blotting is much weaker than on non-reducing conditions.**

Not tested in other applications.

**Specificity/Sensitivity** This antibody is specific for alpha 3B chain

## PROPERTIES

**Form** Liquid

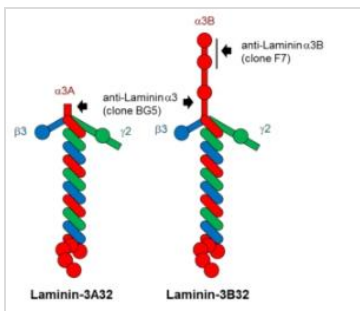


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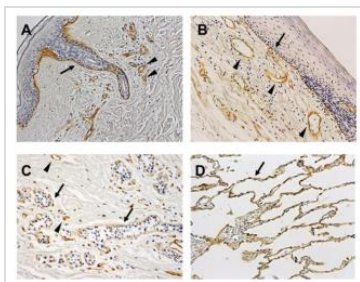
<b>Buffer</b>	Ascites without any additives.
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Immunogen</b>	Recombinant human laminin-alpha 3B N-term ~190 kDa fragment
<b>Purification</b>	Unpurified
<b>Conjugation</b>	Unconjugated
<b>Note</b>	For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

DATA IMAGES



**GTX17684 Image**

Protein structure of laminin-332s and binding sites of antibodies



**GTX17684 IHC-P Image**

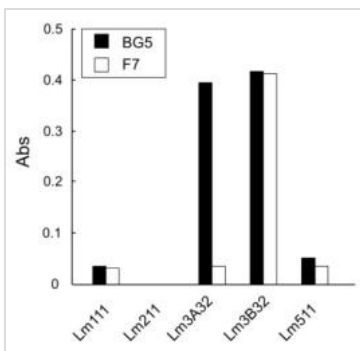
IHC-P analysis of various tissue samples using GTX17684 Laminin alpha 3B antibody [F7] (Black arrows : epithelial basement membranes ; Arrow heads : vascular basement membrane).

Figure A : Normal skin tissue (paraffin slice)

Figure B : Normal esophagus tissue (paraffin slice)

Figure C : Normal mammary gland (paraffin slice)

Figure D : Normal lung tissue (paraffin slice)



**GTX17684 ELISA Image**

ELISA analysis of five recombinant human laminins using GTX17684 Laminin alpha 3B antibody [F7] and GTX17685 Laminin alpha 3A antibody [BG5]. Clone F7 specifically detects Lm3B32 isoform.



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