

Mouse mAb to human laminin a4 chain (clone 3H2)

Catalogue #	A2-601-100
Immunogen:	Human laminin a4
Immunogen Description:	Immunoaffinity-purified Laminin 411 (laminin-8 (?4?1?1) from platelets
Uniprot ID:	Q16363
Clonality:	Mouse monoclonal
Clone:	3H2
Class:	mIgG1
Reactivity:	Human laminin ?4
Application:	ELISA, IHC, WB, IP
Protocol:	Monoclonal antibody working titer has to be established practically for each particular antigen and assay format
ELISA:	0,02 µg/ml
IP:	0,5 mg/ml
IHC:	5-10 µg/ml
Purification:	Protein G purification
Buffer:	PBS pH 7.4, with 0.1% sodium azide
Related Products:	Monoclonal antibodies to human laminin. For more information visit www.icosagen.com/products/?antibodies
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
Background:	Laminins are a family of large heterotrimeric proteins that promote cell adhesion and migration via integrins and other cell-surface receptors.

They are major components of basement membranes of blood vessels and other tissue compartments, and are synthesized by numerous cell types. Through combination, laminin chains constitute 15 laminin isoforms. Laminin isoforms, particularly their α chain, are expressed in a cell- and tissue-specific manner, and are differentially recognized by integrins.

References

Wondimu Z, Geberhiwot T, Ingerpuu S, Juronen E, Xie X, Lindbom L, Doi M, Kortessmä J, Thyboll J, Tryggvason K, Fadeel B, Patarroyo M. (2004)

An endothelial laminin isoform, laminin-8 ($\alpha 4\beta 1\gamma 1$), is secreted by blood neutrophils, promotes neutrophil migration and extravasation, and protects neutrophils from apoptosis. *Blood*, 104(6):1859-66.

Kawataki T, Yamane T, Naganuma H, Rousselle P, Andurén I, Tryggvason K, Patarroyo M. (2007)

Laminin isoforms and their integrin receptors in glioma cell migration and invasiveness: Evidence for a role of $\alpha 5$ -laminin(s) and $\alpha 3\beta 1$ integrin. *Exp Cell Res*.

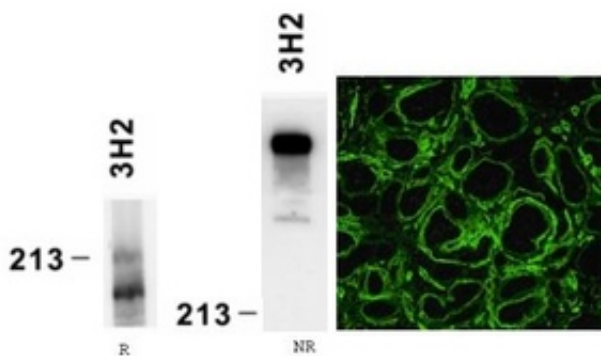


Figure 1. Reactivity of laminin α 4 chain specific monoclonal antibody 3H2 on human platelet lysate by Western blotting (reducing, R and nonreducing, NR conditions) and on human embryonic kidney preparation