

Product datasheet

anti-Collagen Type IV mouse monoclonal, 1042.0, supernatant

Short overview

Cat. No.	10710
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2b
Clone	1042
Immunogen	Isolated from human placenta
Formulation	Contains 0.09% sodium azide
UniprotID	P02462 (Human)
Synonym	Collagen alpha-1(IV chain [Cleaved into: Arresten], COL4A1
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC
Reactivity	Human

Applications

Immunohistochemistry (IHC) - frozen	1:101:20
Immunohistochemistry (IHC) - paraffin	1:101:20 (protease (pepsin) treatment and/or microwave treatment recommended)

Background

Antibody 1042 is reactive with human collagen type IV of basement membranes, and shows a homogeneous staining pattern in all tissues. As neoplastic cells of invasive carcinomas often lack a continuous basement membrane, the antibody is useful to distinguish between non-invasive and invasive lesions. Additionally, it can be used for the differentiation of bullous lesions in dermatopathology. No crossreactivity with other collagens.

Positive control: Skin, kidney.

Product images



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References

Publication	Species	Application
Havenith, M. G. et al. Human specific anti-type IV collagen monoclonal antibodies, characterization and immunohistochemical application. Histochemistry 87, 123â€“128 (1987).	human	WB,IHC (paraffin),ELISA