



Product Information Sheet

Monoclonal Anti-Collagen, Type IV (Sephacose Bead Conjugate)

Catalogue No. MA1030-S

Lot No. 08A12

Clone: Col-30

Ig type: mouse IgG1

Size: 200µl

Specificity

Human.

No cross reactivity with other proteins.

Immunogen

Human collagen type IV

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephacose beads. It is useful for immunoprecipitation assays

Recommended application

Immunoprecipitation(IP)

BACKGROUND

Collagen IV is comprised of a third chain (alpha-3) together with the 2 classical ones, alpha-1 and alpha-2. COL4A3 gene is localized to 2q36-q37 by analysis of somatic cell hybrids and by in situ hybridization. The alpha-3 chain of type IV collagen induces autoimmune Goodpasture syndrome. Mutations in the COL4A4 and COL4A3 genes cause familial benign hematuria.

REFERENCE

1. Kalluri, R.; Gattone, V. H., II; Noelken, M. E.; Hudson, B. G. : The alpha-3 chain of type IV collagen induces autoimmune Goodpasture syndrome. *Proc. Nat. Acad. Sci.* 91: 6201-6205, 1994.
2. Badenas, C.; Praga, M.; Tazon, B.; Heidet, L.; Arrondel, C.; Armengol, A.; Andres, A.; Morales, E.; Camacho, J. A.; Lens, X.; Davila, S.; Mila, M.; Antignac, C.; Darnell, A.; Torra, R. : Mutations in the COL4A4 and COL4A3 genes cause familial benign hematuria. *J. Am. Soc. Nephrol.* 13: 1248-1254, 2002.

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