

Rabbit anti-Calf Collagen I and III, Affinity purified Polyclonal Antibody

Catalog No.: PS068

Quantity: 1 ml

Specificity

Antibodies to calf collagen type I and III are raised in rabbits which are numerously immunized with extensively purified native collagen type I and III extracted from bovine skin into dilute acidic buffer after mild pepsin digestion. Pooled antisera are passed over DEAE-cellulose to produce IgG-enriched fraction. The affinity purified antibody PS068 is obtained by binding to immobilized native calf collagen, mixture of type I and III (the antigens used for immunization), followed by elution with acidic buffer, neutralization, dialysis, dispensing and lyophilization. Specificity was ascertained by direct ELISA using pure calf collagen types I and III for coating micro-plate wells. No binding to calf serum proteins is revealed at similar dilutions of the antibody. Characteristic immunostaining pictures of frozen sections of bovine kidney and skin are produced to certify absence of cross-reactivity with basement membrane collagens (types IV and V).

Use

Recommended for use in immunohistochemistry on frozen bovine sections and for immunostaining of cultured bovine cells. Suitable for dot-blotting and ELISA on native calf collagen type I and III. Use on paraffin sections is not tested.

Instructions for use

Antibodies can be diluted at least 1:20 for immunohistochemical procedures if Peroxidase labeled secondary antibodies is applied. If a FITC labeled secondary antibody is used the antibody can be diluted 1:10.

Presentation

1 ml lyophilized IgG antiserum (0.1 mg/ml).

Reconstitute with 1 ml distilled water and add preservative if preferred.

FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.



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