

## **Rabbit anti-Dog Collagen I and III, Affinity purified Polyclonal Antibody**

**Catalog No.:** PS069

**Quantity:** 1 ml

### **Specificity**

Antibodies to dog collagen type I and III are raised in rabbits which are numerously immunized with extensively purified native collagen type I and III extracted from dog tail tendon into dilute acidic buffer after mild pepsin digestion. Pooled antisera are passed over DEAE-cellulose to produce IgG-enriched fraction. The affinity purified antibody PS069 is obtained by binding to immobilized native dog 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 dog collagen types I and III for coating micro-plate wells. No binding to canine serum proteins is revealed at similar dilutions of the antibody. Characteristic immunostaining pictures of frozen sections of dog 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 dog sections and for immunostaining of cultured canine cells. Suitable for dot-blotting and ELISA on native dog 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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