

## Collagen V Alpha-1 Chain N-propeptide-VR domain (COL5A1) Monoclonal Antibody

### **ORDERING INFORMATION**

**Catalog No.:** 90009 (clone 6A7)

**Format:** 100ug, Protein A-purified, lyophilized, 0.1M Tris, 0.1M glycine, 2% sucrose, 1mg/ml.

### **BACKGROUND**

Collagen V alpha-1chain is a protein that in humans is encoded by the *COL5A1* gene. This gene encodes an alpha chain for one of the low abundance fibrillar collagens. Fibrillar collagen molecules are trimers that can be composed of one or more types of alpha chains. Type V collagen is found in tissues containing type I collagen and appears to regulate the assembly of heterotypic fibers composed of both type I and type V collagen. This gene product is closely related to type XI collagen and it is possible that the collagen chains of types V and XI constitute a single collagen type with tissue-specific chain combinations. Mutations in this gene are associated with Ehlers-Danlos syndrome, types I and II.

### **SPECIFICATION SUMMARY**

**Antigen:** Recombinant human collagen V alpha-1 chain.

**Host species:** Mouse.

**Antibody Class:** IgG1.

**Preservative:** None.

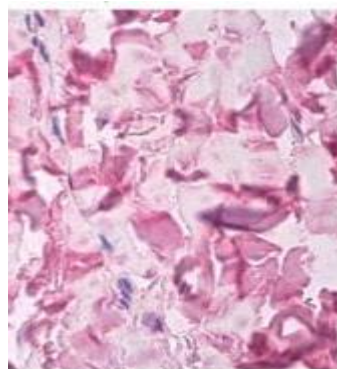
### **SPECIFICITY**

This antibody reacts with human collagen V alpha-1 chain propeptide. The epitope recognized is in the variable region.

### **APPLICATIONS**

*Immunoblotting:* use at 1-5ug/ml.

*Immunohistochemistry:* Formalin-fixed, paraffin-embedded tissue, heat-induced antigen retrieval. Use at 1-10ug/ml.



Staining of human skin with #90009.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

### **RECONSTITUTION**

Reconstitute in distilled water.

### **STORAGE AND STABILITY**

This product is stable for at least one (1) year at -20°C to -70°C. Reconstituted product should be stored in appropriate aliquots to avoid repeated freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*