

Recombinant

DGRmAb®

## Collagen I (DGR32808) Rabbit mAb

db11923

Package : 10µL 20µL 50µL 100µL

**Product Name :** Collagen I (DGR32808) Rabbit mAb**Cat.No.:** db11923**Synonyms :** OI1; OI2; OI3; OI4; EDSC; CAFYD; EDSARTH1**Application :** WB, IP**Reactivity :** Human, Mouse, Rat**Host species :** Rabbit**Background**

This gene encodes the pro- $\alpha$ 1 chains of type I collagen whose triple helix comprises two  $\alpha$ 1 chains and one  $\alpha$ 2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in this gene are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis. Reciprocal translocations between chromosomes 17 and 22, where this gene and the gene for platelet-derived growth factor beta are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans, resulting from unregulated expression of the growth factor. Two transcripts, resulting from the use of alternate polyadenylation signals, have been identified for this gene. [provided by R. Dalgleish, Feb 2008]

**Immunogen**

Recombinant protein of human Collagen I

**Gene ID**

1277, 1278

**Swiss Prot**

P02452, P08123

**Synonyms**

OI1; OI2; OI3; OI4; EDSC; CAFYD; EDSARTH1

**Reactivity**

Human, Mouse, Rat

**Application**

WB, IP

**Recommended dilution**WB: 1:1000  
IP: 1:20-1:50**Calculated MW**

139 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR32808

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.