

## Collagen I mouse mAb(4B5) antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A12850	Mouse	1 mg/ml	

<b>Applications</b>	IHC
<b>Reactivity</b>	Human,Mouse,Rat
<b>Dilution</b>	IHC 1:50-300
<b>Storage</b>	-20°C/1 year
<b>Specificity</b>	The antibody detects endogenous Collagen I protein
<b>Source / Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Immunogen</b>	Synthetic Peptide of Collagen I
<b>Uniprot No</b>	P02452
<b>Alternative names</b>	Collagen alpha-1(I) chain (Alpha-1 type I collagen)
<b>Form</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Conjugation</b>	
<b>Background</b>	collagen type I alpha 1 chain(COL1A1) Homo sapiens This gene encodes the pro-alpha1 chains of type I collagen whose triple helix comprises two alpha1 chains and one alpha2 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. Dagleish, Feb 2008],
<b>Other</b>	COL1A1, Collagen alpha-1(I) chain (Alpha-1 type I collagen)

### Product Images:

**Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation  
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster  
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All  
Species Expected

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