



CO8A1 Monoclonal Antibody

Catalog No	YP-mAb-05042
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	COL8A1 C3orf7
Immunogen	Synthesized peptide derived from human protein . at AA range: 160-240
Specificity	CO8A1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	COL8;C3orf7;Collagen alpha-1(VIII) chain;Collagen Type VIII;CO8A1;COL8A1 C3orf7;Collagen alpha-1(VIII) chain (Endothelial collagen) [Cleaved into: Vastatin]
Observed Band	73 kDa
Calculated Molecular Weight	744 aa, 73 kDa
Cell Pathway	Secreted, extracellular space, extracellular matrix, basement membrane.
Tissue Specificity	Expressed primarily in the subendothelium of large blood vessels. Also expressed in arterioles and venules in muscle, heart, kidney, spleen, umbilical cord, liver and lung and is also found in connective tissue layers around hair follicles, around nerve bundles in muscle, in the dura of the optic nerve, in cornea and sclera, and in the perichondrium of cartilaginous tissues. In the kidney, expressed in mesangial cells, glomerular endothelial cells, and tubular epithelial cells. Also expressed in mast cells, and in astrocytes during the repair process. Expressed in Descemet's membrane. Specifically expressed in peritoneal fibroblasts and mesothelial cells.
Function	function:Major component of the Descemet's membrane (basement membrane) of corneal endothelial cells.,miscellaneous:Four consecutive Gly-Pro-Pro triplets are present at the C-terminus of the triple-helical region. These may provide the



high thermal stability of this region.,PTM:Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains., similarity:Contains 1 C1q domain.,subunit:May form homotrimers, or heterotrimers in association with alpha 2(VIII) type collagens.,

Background

This gene encodes one of the two alpha chains of type VIII collagen. The gene product is a short chain collagen and a major component of the basement membrane of the corneal endothelium. The type VIII collagen fibril can be either a homo- or a heterotrimer. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Dec 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images