

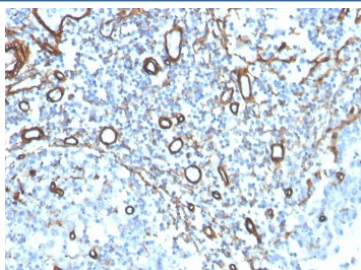
## Recombinant Collagen IV Antibody / COL4A [clone COL4/4241R] (V8505)

Catalog No.	Formulation	Size
V8505-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8505-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8505SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

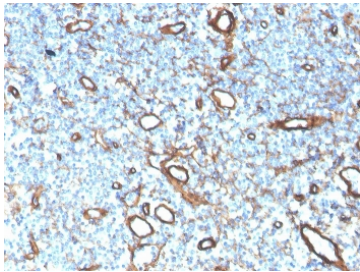
Recombinant **RABBIT MONOCLONAL**

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Name</b>	COL4/4241R
<b>Purity</b>	Protein A affinity chromatography
<b>UniProt</b>	P02462
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
<b>Limitations</b>	This recombinant Collagen IV antibody is available for research use only.



IHC staining of FFPE human tonsil with recombinant Collagen IV antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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## Description

Collagen Type IV is a major component of the basement membrane and plays an important role in cell adhesion, migration, differentiation and growth. Collagen Type IV express at the basement membranes in a variety of tissues including kidney, muscle, lymph nodes, lung, tendon and spleen. Collagen Type IV has been shown to be useful in differentiating microinvasive from in situ ductal carcinomas of the breast. Other Collagen Type IV studies include use in pancreatic adenocarcinoma and chronic pancreatitis, nephrosclerosis and other kidney diseases, oral squamous cell carcinoma, laryngeal cancers, ovarian cancers and cervical cancers.

## Application Notes

Optimal dilution of the recombinant Collagen IV antibody should be determined by the researcher.

## Immunogen

Purified human placental extract was used as the immunogen for the Collagen IV antibody.

## Storage

Store the recombinant Collagen IV antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).