

# Collagen IV Antibody FITC Conjugated

Catalog No: #C00452F

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Collagen IV Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 1430-1480 1669 derived from mouse Collagen alpha-1(IV) chain
Conjugates	FITC
Target Name	Collagen IV
Other Names	Bru; Raw; Svc; Col4a-1; Del(8)44H; Collagen alpha-1(IV) chain; Col4a1
Accession No.	Swiss-Prot#P02463NCBI Gene ID12826
Uniprot	P02463
GeneID	12826;
Excitation Emission	494nm 518nm
Cell Localization	Secreted
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

Flow-Cyt=1:50-200 IF=1:50-200

## Background

Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin nidogen. Arresten, comprising the C-terminal NC1 domain, inhibits angiogenesis and tumor formation. The C-terminal half is found to possess the anti-angiogenic activity. Specifically inhibits endothelial cell proliferation, migration and tube formation. Inhibits expression of hypoxia-inducible factor 1alpha and ERK1 2 and p38 MAPK activation. Ligand for alpha1 beta1 integrin (By similarity).

Note: This product is for in vitro research use only