



Recombinant Human COL4A3 NC1 [His] (DAG-WT1908)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Conjugate	His
Applications	ELISA
Molecular Weight	30.6 kDa
Format	Liquid or Lyophilized powder
Size	100 µg, 1 mg
Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Preservative	None
Storage	Store at -20°C

BACKGROUND

Introduction

Antibodies to GBM can cause glomerulonephritis or pulmonary hemorrhage; the combination of these 2 clinical symptoms is known as Goodpasture's syndrome. The best known autoantigen in anti-GBM nephritis is the so-called Goodpasture antigen.

In 1984, the antigen was biochemically characterized and shown to be a 29 kDa collagenase-resistant molecule of the glomerular basement membrane. The important epitope is at the C-terminal end of type IV collagen and was later shown to be localized to the NC1 domain of the $\alpha 3(\text{IV})$ chain.

Keywords Glomerular basement membrane; GBM; Goodpasture antigen; Collagen type IV NC1 domain

GENE INFORMATION

