



Recombinant Human Glomerular Basement Membrane [His] (DAGC127)

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

PRODUCT INFORMATION

Purity	> 85% as determined by SDS-PAGE
Conjugate	His
Applications	ELISA, WB
Molecular Weight	44 kDa
Format	Liquid
Size	50 µg, 1 mg
Buffer	50mM Tris-HCl, 200mM NaCl, 4M Urea
Preservative	None
Storage	Store at -20°C to -80°C

BACKGROUND

Introduction	<p>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.</p> <p>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.</p>
Keywords	Glomerular basement membrane; GBM; Goodpasture antigen