

Recombinant Human GBM Antigen

Product overview

Catalog number	C-40-0073
Description	Recombinant human Glomerular Basement Membrane (GBM) antigen, containing the sequence of the non-collagenous domain (NC1) with His tag. Predicted molecular weight: ~28 kDa.
Product host	HEK293 cells
Product formulation	Liquid
Product buffer solution	10 mM PBS, pH 7.4, 0.8 % NaCl, 0.02% KCl.
Shelf life and storage	3 years, storage at -70 °C or below. Repeated freeze/thaw cycles should be avoided.
Analyte description	The glomerular basement membrane (GBM) is a core component of the glomerular filtration barrier, and anti GBM antibodies are used to diagnose Goodpasture syndrome, in which patients' autoantibodies target the non-collagenous region (NC1 domain) of the type IV collagen alpha 3 chain in GBM. GBM injury is the core link of ANCA associated vasculitis involving the kidneys, and its mechanism involves ANCA mediated neutrophil activation, protease release, and oxidative stress.
Product concentration	N/A
Purity	≥ 95%, SDS-PAGE
Antibodies tested	NA
Miscellaneous	N/A

