

Human Collagen Type IV alpha 3

Synonyms: Collagen alpha-3(IV) chain, Goodpasture antigen, COL4A3, Glomerular Basal Membrane, GBM.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	4060.950.002		
10 µg	4060.950.010		
1 mg	4060.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Human $\alpha 3$ chain of collagen IV; identical with the antigen called "glomerular basal membrane antigen" (GBM). Recombinant antigen for solid (ELISA) and fluid phase diagnostic assays. Calculated Molecular weight: 53kDa. Calculated isoelectric point: pH 8.9. cDNA coding for a minicollagen version of the human collagen IV $\alpha 3$ chain fused to a hexa-histidine purification tag. The term minicollagen designates the removal of most of the epitope-less triplehelical collagenous region (situated between the N-terminal 7S domain and the C-terminal noncollagenous NC1 domain), which is a requirement for recombinant production of this antigen.

- **Source** Insect cells
- **Purity** $\geq 95\%$ (SDS-PAGE)
- **Endotoxin level** $\leq 0.1\text{ng}/\mu\text{g}$ ($\leq 1\text{EU}/\mu\text{g}$)
- **Buffer** The protein solution contains 20mM HEPES, pH 8.0 and 4M Urea*
- **Physical state** Sterile filtered clear solution

Stability

Recommendations for storage buffer: neutral to slightly alkaline pH and 4M urea as dissociating agent. Storage temperature: -70°C to -80°C . **Please avoid repeated freeze-thaw cycles.**

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.