

Anti-collagen I [AFA] Bulk Size Ab04361-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgA format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: AFA

Alternative Name(s) of Target: CTTR1; anti-fibrotic antibody; Collagen alpha-1(I) chain; Alpha-1 type I collagen

UniProt Accession Number of Target Protein: P02452

Published Application(s): Blocking

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing mice with $\alpha 2\text{Ct}$.

Specificity: The antibody is specific for the C-terminal telopeptide region of human collagen I.

Application Notes: The original antibody could block the binding activity of the C-terminal telopeptide region of human collagen I. Biosensor assays of binding interactions of the original format and the Fab fragment of the antibody with procollagen I and the $\alpha 2\text{Ct}$ were measured ($K_d = 663\text{pM}$ for the original antibody and 268nM for the Fab fragment and 21pM for the original antibody and 57nM for the Fab fragment for procollagen and $\alpha 2\text{Ct}$ respectively) (US20200048333A1).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C .

Concentration:

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.