

Anti-Type IV collagenase [3G11] Standard Size Ab00421-10.3

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

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

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

Clone Number: 3G11

Alternative Name(s) of Target: MMP2; Matrix Metalloprotease 2

UniProt Accession Number of Target Protein: P08253

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: Recombinant human type IV collagenase.

Specificity: This antibody binds specifically to human type IV collagenase and does not show any cross-reactivity with any other collagenases.

Application Notes: This antibody binds to human type IV collagenase, a metalloproteinase involved in degrading matrix proteins and hence contributing largely to metastasis in various types of cancer.

Antibody First Published in: Li et al. Antitumor activity of anti-type IV collagenase monoclonal antibody and its lidamycin conjugate against colon carcinoma. World Journal of Gastroenterology 2007; 11(29):4478-4483 [PMID:16052675](#)

Note on publication: Describes the generation of a mouse monoclonal antibody against type IV collagenase in order to study possible routes towards colon carcinoma treatment.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.