

## Anti-Type IV collagenase [3G11] Standard Size Ab00421-1.4

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

**Isotype and Format:** Mouse 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.