



COSMO BIO CO., LTD.

PRODUCT DATA SHEET

Product: Anti-Collagen (Type XII) mAb, clone 378D5

Cat. No.: MC-801 (100 µL)

Species Reactivity:

Human, bovine, chicken. Others not tested.

Ig Isotype:

Mouse IgG_{1b}

Immunogen:

Bovine collagen type XII

Epitope:

Not identified

Format:

100 µL monoclonal antibodies at 1-3 mg/mL containing 0.01% sodium azide.

Storage:

Store at 4°C short term, -20°C long term. Aliquot to avoid cycles of freeze/thaw.

Applications and Suggested Dilutions:

- ELISA: Use at a 1:500-1:1,000 dilution.
- Immunohistochemistry: Use at a 1:500-1:1,000 dilution. A mild (0.05% for 10-15 min. at 37°C) trypsin or Protease 27 (Sigma) - digestion, or alternatively microwave oven treatment, is recommended to unmask the collagens. This antibody is not recommended for paraffin-embedded material.
- Immunoprecipitation: Use at a 1:50-1:100 dilution.
- Western blot: Use at a 1:100-1:300 dilution.

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.



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