**DESCRIPTION**

- **Species Reactivity**: Human
- **Specificity**: Detects human MMP-9 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human MMP-1,-2,-3,-7,-8,-10,-12 and -13 is observed.
- **Source**: Polyclonal Goat IgG
- **Purification**: Protein A or G purified
- **Immunogen**: Chinese hamster ovary cell line CHO-derived recombinant human MMP-9
- **Formulation**: Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

**APPLICATIONS**

*Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

- **Western Blot**: 1 μg/mL Recombinant Human MMP-9 Western Blot Standard (Catalog # WBC018)
- **Immunocytochemistry**: 5-15 μg/mL See Below
- **Immunohistochemistry**: 5-15 μg/mL See Below
- **Immunoprecipitation**: 25 μg/mL Conditioned cell culture medium spiked with Recombinant Human MMP-9 (Catalog # 911-MP), see our available Western blot detection antibodies

**DATA**

- **Immunocytochemistry**: MMP-9 in MMP-9 transfected NS0 Mouse Cell Line. MMP-9 was detected in immersion fixed MMP-9 transfected NS0 mouse myeloma cell line using Goat Anti-Human MMP-9 Polyclonal Antibody (Catalog # AB911) at 5 μg/mL for 3 hours at room temperature. Cells were stained (red) and counterstained (green). Specific labeling was localized to the cytoplasm. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

- **Immunohistochemistry**: MMP-9 in Human Liver Cancer Tissue. MMP-9 was detected in immersion fixed paraffin-embedded sections of human liver cancer tissue using Goat Anti-Human MMP-9 Polyclonal Antibody (Catalog # AB911) at 10 μg/mL overnight at 4 °C. Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in cancer cells. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

**PREPARATION AND STORAGE**

- **Reconstitution**: Reconstitute at 1 mg/mL in sterile PBS.
- **Shipping**: The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
- **Stability & Storage**:
  - **12 months from date of receipt**: -20 to -70 °C as supplied.
  - **1 month**: 2 to 8 °C under sterile conditions after reconstitution.
  - **6 months**: -20 to -70 °C under sterile conditions after reconstitution.