

## PRODUCT INFORMATION

### **Anti-Collagenase (*C. histolyticum*) antibody** **Cat. No. 58050**

#### Product Description:

**General** Anti-Collagenase (*Clostridium histolyticum*) polyclonal antibody is produced in sheep against clostridial Collagenase NB. Clostridial collagenase consists of several collagenase isoforms which are recognized by the antibody. The IgG fraction of the serum is purified by protein G affinity chromatography. Collagenase NB from *Clostridium histolyticum* is used for isolation of cells from various tissues.

**Specification** Antigen: Collagenase NB from *Clostridium histolyticum*. Polyclonal antibody produced in sheep. IgG fraction purified by protein G affinity chromatography. 100 µg IgG in solution (1 mg/ml) in PBS with 0.01 % sodium azide.

**Application** The antibody is tested for use in Western blot or ELISA. The antibody is intended for *in vitro* research only, not for use in humans.

**Storage conditions** Anti-Collagenase antibody is provided as frozen solution which should be stored in aliquots at -15 to -25 °C or -80 °C. Thaw at 4 °C. Avoid freeze and thaw cycles. Alternatively, an equal volume of glycerol can be added for a final concentration of 50 % followed by storage at -15 to -25 °C. Please note that the concentration of the antibody will be one half after the addition of glycerol.

#### Instructions for use:

**General** Anti-Collagenase antibody is tested in Western blot and ELISA application. Optimal dilutions of the antibody depend on experimental conditions and have to be optimized for each protocol.

**Suggested dilution range** 1:5,000 – 1:100,000  
for ELISA and Western blotting with chromogenic substrates  
1:10,000 – 1:200,000  
for Western blotting with ECL substrates  
Not tested for immunohistochemistry or immunofluorescence