

## IdeZ Protease, IgG-specific

**Cat. No.** IdeZ Protease-013    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | IdeZ Protease (IgG-specific) is a recombinant antibody specific protease that recognizes all human, sheep, monkey, and rabbit IgG subclasses, cleaving specifically at a single recognition site below the hinge region, to yield a homogenous pool of F(ab') <sub>2</sub> and Fc fragments. IdeZ Protease more effectively cleaves murine IgG2a than IdeS. |
| <b>Species</b>          | Streptococcus equi subspecies zooepidemicus                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>          | Store at -20 centigrade for up to two years. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                             |
| <b>Storage Buffer</b>   | 20 mM Tris-HCl, 50 mM NaCl, 1 mM EDTA, pH 7.5 at 25 centigrade.                                                                                                                                                                                                                                                                                             |
| <b>Bio-activity</b>     | Two fold dilutions of IdeZ Protease (IgG-specific) are incubated with 1 µg of human IgG and 1× GlycoBuffer 2 in a 10 µL reaction. The reaction mix is incubated for 15 minutes at 37 centigrade. Separation of reaction products are visualized by SDS-PAGE.                                                                                                |
| <b>Purity</b>           | ≥95% purity, as determined by SDS-PAGE and intact ESI-MS                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>    | 80,000 units/mL                                                                                                                                                                                                                                                                                                                                             |

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