

IdeZ Protease, IgG-specific

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

SPECIFICATION

Product Overview	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') ₂ and Fc fragments. IdeZ Protease more effectively cleaves murine IgG2a than IdeS.
Species	Streptococcus equi subspecies zooepidemicus
Source	E.coli
Storage	Store at -20 centigrade for up to two years. Avoid repeated freeze/thaw cycles.
Storage Buffer	20 mM Tris-HCl, 50 mM NaCl, 1 mM EDTA, pH 7.5 at 25 centigrade.
Bio-activity	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.
Purity	≥95% purity, as determined by SDS-PAGE and intact ESI-MS
Concentration	80,000 units/mL

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