

## New England Biolabs Product Specification

<i>Product Name:</i>	<i>IdeZ Protease (IgG-specific)</i>
<i>Catalog #:</i>	<i>P0770S</i>
<i>Concentration:</i>	<i>80,000 units/ml</i>
<i>Unit Definition:</i>	<i>One unit is defined as the amount of enzyme required to cleave &gt;95% of 1 µg of human IgG, in 15 minutes at 37°C in a total reaction volume of 10 µl.</i>
<i>Shelf Life:</i>	<i>24 months</i>
<i>Storage Temp:</i>	<i>-20°C</i>
<i>Storage Conditions:</i>	<i>50 mM NaCl, 20 mM Tris-HCl, 1 mM EDTA, (pH 7.5 @ 25°C)</i>
<i>Specification Version:</i>	<i>PS-P0770S v1.0</i>
<i>Effective Date:</i>	<i>06 Jan 2016</i>

### Assay Name/Specification (minimum release criteria)

**Protease Activity (Non-Specific, SDS-PAGE)** - A 20 µl reaction in 1X Glyco Buffer 2 containing 24 µg of a standard mixture of proteins and a minimum of 800 units of IdeZ Protease (IgG-specific) incubated for 20 hours at 37°C, results in no detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection.

**Protein Purity Assay (SDS-PAGE)** - IdeZ Protease (IgG-specific) is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.



Date 06 Jan 2016

Derek Robinson  
Director of Quality Control

