Product Details

This product is an IgG-specific endoglycosidase hydrolyzing complex N-glycans at the Fc N-glycosylation sites. It is derived from Streptococcus pyogenes and expressed in E. coli. The enzyme contains a His-tag and the molecular weight is 110 kDa.The enzyme deglycosylates IgG after the core GlcNAc and display limited activity on high-mannose and hybrid-type glycans.

Application

- Endo S is specific for N-glycans attached on the Fc-domain of IgGs, and hydrolyzes Fc-glycans of all human IgG subclasses and IgG from many other species, including mouse, rat, monkey, sheep, goat, cow, and horse.

Unit Definition

One unit deglycosylates ≥ 95% of 1 μg human IgG, when incubated in 10 mM sodium phosphate, 150 mM NaCl, pH7.4 at 37°C for 30 min.

Quility Control

Less than 1.0 EU per μg by the LAL method.

Formulation

Supplied as 0.2 μm filtered solution in PBS, pH7.4 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

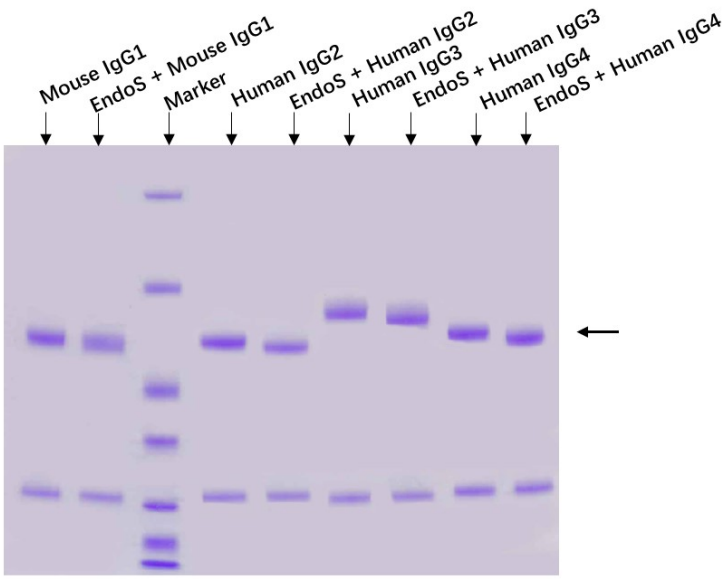
This product is supplied and shipped as sterile liquid solution with dry ice, please inquire the shipping cost.

Storage

This product is stable after storage at:

- The product MUST be stored at -20°C or lower upon receipt.
- -20°C for 6 months under sterile conditions.

Bioactivity



100 unit EndoS deglycosylates ≥ 95% of 100 μg IgG when incubated in 10 mM sodium phosphate, 150 mM NaCl, pH 7.4 at 37°C for 30 min.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.