

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 S2 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.

Enzyme Activity

>200 U/μL

Endotoxin

Less than 1.0 EU per μg by the LAL method / rFC 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.

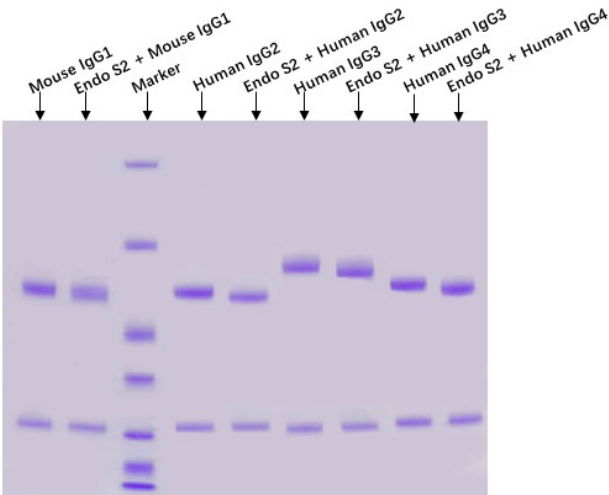
Shipping

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

Storage

- This product is stable after storage at:
- The product MUST be stored at -70°C or lower upon receipt.
 - -70°C for 12 months under sterile conditions.

Bioactivity



100 unit Endo S2 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 (QC tested).

