



### 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  $\geq 95\%$  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.

### 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

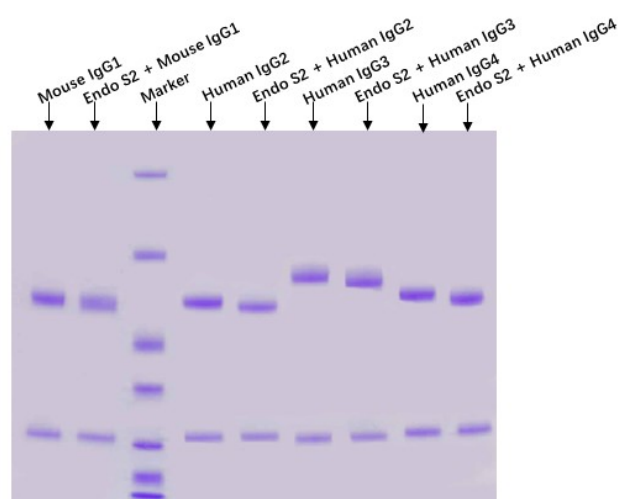
*This product is supplied and shipped with dry ice, please inquire the shipping cost.*

### Storage

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt.
- -70°C for 3 months under sterile conditions.

### Bioactivity



100 unit Endo S2 deglycosylates  $\geq 95\%$  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).

### Clinical and Translational Updates

Discounts, Gifts,  
and more!

