

Endoglycosidase S (Low Endotoxin) from Streptococcus pyogenes, Recombinant

Cat. No. NATE-1780

Lot. No. (See product label)

Introduction

Description

EndoS LE is an endoglycosidase for deglycosylation of IgG Fc-glycan moieties. IgGZERO® LE hydrolyzes Fcglycans on IgG of all human IgG subclasses and IgG from the following species: mouse, rat, monkey, sheep, goat, cow and horse. The enzyme has limited activity on high-mannose and hybrid- type glycans. EndoS LE hydrolyzes the β 1,4 linkage between the core GlcNAc residues in the Fc-glycan, leaving the innermost GlcNAc on the Fc. EndoS LE is a low endotoxin product, use endotoxin free material and solutions. Physiological reaction conditions at pH 7.4 and 37°C yields optimal enzyme activity. Other buffers and pH (6-8) are compatible with enzyme activity but the reaction conditions needs to be tested to ensure efficient deglycosylation. EndoS LE has a mass of 110 kDa and contains a His-tag. EndoS LE is for R&D use only.

Synonyms

Endoglycosidase S; IgGZERO

Product Information

Species

Streptococcus pyogenes

Source

E. coli

Form

Lyophilized in 10 mM sodium phosphate, 150 mM NaCl, pH 7.4, with no preservatives added.

Molecular Weight

110 kDa

Purity

> 95% homogeneity as determined by SDS-PAGE analysis.

Endotoxin Level

< 0.2 EU per vial

Unit Definition

One unit deglycosylates > 95% of 1 μ g human IgG when incubated in 10 mM sodium phosphate, 150 mM NaCl, pH 7.4 at 37°C for 30 min.

Storage and Shipping Information

Storage

It is shipped at ambient temperature. It should be stored at -20°C upon arrival. After reconstitution EndoS LE is stable for 1 month at +4-8°C.