Creative Enzymes®

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 β1,4 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	Streptocoocus 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 μg 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.