



E. coli lacZ blocking peptide (CDBP5218)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

BACKGROUND

Introduction	Beta galactosidase is coded by a gene (lac z) in the lac operon of Escherichia coli. It is a metalloenzyme that splits lactose into glucose and galactose. It hydrolyzes terminal, non-reducing beta-D-galactose residues in beta-D-galactosides. Activation by cations seems to be substrate dependent. K ⁺ , Na ⁺ , NH ₄ ⁺ , Rb ⁺ , Cs ⁺ and Mn ⁺⁺ all activate enzyme activity based upon the substrate used.
Keywords	Beta-d-Galactosidase; Beta D galactosidase; Beta gal; Beta galactosidase; EC 3.2.1.23; ECK0341; JW0335; lactase; lacZ; Beta-d-Galactosidase (E. coli)