

Product datasheet for **SM3002P**

lacZ (Center) Mouse Monoclonal Antibody [Clone ID: BG-02]

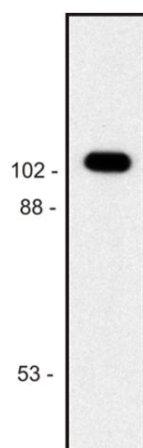
Product data:

Product Type:	Primary Antibodies
Clone Name:	BG-02
Applications:	IF, WB
Recommended Dilution:	Western blot. Immunocytochemistry.
Reactivity:	Escherichia coli
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Beta-Galactosidase purified from <i>E. coli</i>
Specificity:	The antibody recognizes a non-catalytic centre epitope of <i>beta-Galactosidase</i> from <i>E. coli</i> .
Formulation:	PBS, pH~7.4 State: Purified State: Liquid purified Ig fraction from Ascites (> 95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Precipitation methods
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Database Link:	P00722
Background:	Beta galactosidase is coded by a gene (<i>lac z</i>) in the <i>lac</i> operon of <i>Escherichia coli</i> . 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.
Synonyms:	Beta-Gal tag, lacZ tag, b0344, JW0335, Beta-Gal Fusion Protein, Lactase



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Product images:



Western blot of purified *E. coli* beta-galactosidase sample; reduced sample, immunostained by mAbBG-02 and goat anti-mouse IgG (H+L)-HRP conjugate.