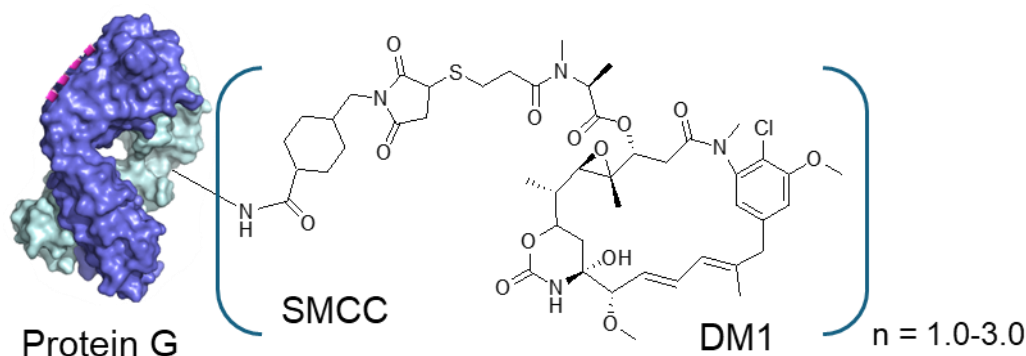


Catalog# BP-50154

Protein G -DM1

Description:

Protein G-DM1 is a Protein-drug conjugate (PDC) of Protein G with microtubule-inhibiting drug DM1 (Mertansine) conjugate through a linker. >95% protein G were conjugated with DM1, the DPR (drug protein ratio) $n = 1-3$ drugs per protein. Protein G is expressed in group C and G streptococcal bacteria. It is a ~60-kDa cell surface protein. It binds to most mammalian immunoglobulins primarily through their Fc regions. DM1 (Mertansine) is a microtubule-inhibiting drug that is a synthetic derivative of maytansine and is used as a potential cancer treatment. DM1 can be attached to a monoclonal antibody or proteins with a linker to create a conjugate that is developed to overcome systemic toxicity associated with maytansine and to enhance tumor-specific delivery. DM1 is a strong antiproliferative chemotherapeutics toward over 60 types of cancer cell lines. This product is for research use only. The Protein G-DM1 has the following chemical structure:



Product Details	
Reactivity	Bind to most mammalian immunoglobulins primarily through their Fc regions.
Source	<i>E. coli</i>
Type	Recombinant Protein
M.W.	~21,600 (Apparent MW by SDS-PAGE: 32,000)
Measurement	A280 of 0.1% solution: 1.0
Isoelectric point (pI)	4.5
Conjugate	Protein G conjugated with SMCC-DM1
DPR (Drug to Protein Ratio)	>95% protein conjugated, 1-3 drugs per protein
Form	Liquid
Concentration	1 mg/ml
Purification	Size Exclusive Column
Storage buffer	20 mM Sodium Borate, 6% Trehalose, pH8.0
Storage conditions	4°C for short time, -20°C or -80°C for long time.