

Catalog# BP-50152

## **Protein G-DXD (cleavable)**

## **Description:**

Protein G-DXD is a Protein-drug conjugate (PDC) of Protein G with topoisomerase inhibitor (DXD) conjugate through a cleavable linker. >95% protein G were conjugated with DXD, 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. The Dxd (Exatecan derivative for ADC) is a potent DNA topoisomerase I inhibitor topoisomerase inhibitor, with an IC50 of 0.31  $\mu$ M. This product is for research use only. The Protein G-DXD has the following chemical structure:



Product Details	
Reactivity	Bind to most mammalian immunoglobulins primarily through their Fc regions.
Source	E. coli
Туре	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 -GGFG-Exatecan (DX-8951)
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.