MicroProtein Technologies, Inc.

Technical Data Sheet

Purified Protein L

Catalog Number:	L100
Description:	Protein L is an immunoglobulin-binding protein that was originally isolated from the bacteria Peptosteptococcus mangnus, and is now produced recombinantly via MPTxpress. It is made up of a single polypeptide chain containing five Ig-binding regions.
Source:	*Escherichia coli*
Molecular Weight:	41,000 Da
Quantity:	10mg/50mg/500mg. "Multiple gram lots and long-term supply contracts available for resin manufacture"
Purity:	>97% by SDS-PAGE and HPLC analyses.
Formulation:	Lyophilized in salt free water
Applications:	Protein L is a non-glycosylated polypeptide and comprised of 5 IgG-binding region of Protein L (B1-B5). Cell wall binding region, cell membrane binding region and albumin binding region has been eliminated from this version of Protein L to ensure the maximum specific IgG binding. Protein L has the unique ability to bind through kappa light chain interaction without interfering with an antibody antigen-binding site. This gives Protein L the ability to bind a wider range of Ig classes. Protein L will also bind single chain variable fragment (scFV), Fab, and Dab fragments. Protein L binds kappa 1, 3, 4 in general. Purified Protein L is valuable as the basis for preparing various kinds of affinity media or probes for detection or purification of human and mouse antibodies in immunoassays and antibody purification protocols.
Reconstitution:	Dissolve in deionized/distilled water/PBS buffer
Storage:	2 years at -20˚C. After reconstitution, aliquot and store at -20˚C. Avoid repeated freeze/thaw cycles.
Usage:	This material is offered by MicroProtein Technologies, Inc. for research, laboratory use, further evaluation purposes or for bio-processing use. Shipping temperature may differ from storage temperature. This does not alter the performance of the product.

10405 W 84th Terrace, Lenexa, KS 66214, USA
Tel:+1 (913) 851-0877 www.mptbiotechs.com
Email: info@mptbiotechs.com