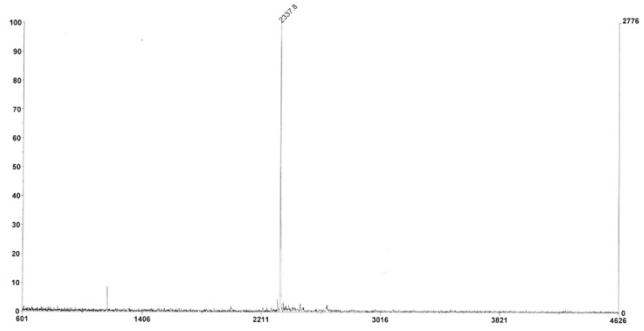
3X DLVPR (G196) tag-peptide

Category	protein and peptide
Catalog No.	P-G-001

Product information

Sequence	[H]-G-S-D-L-V-P-R-G-S-D-L-V-P-R-G-S-D-L-V-P-R-G-S-[OH] The Five amino acid sequence Asp-Leu-Val-Pro-Arg (DLVPR) is the minimal epitope of anti- DLVPR (G196) epitope-tag mAb.
Lot No.	001
Size	1 mg
Condition	a lyophilized powder
Purity	>95%, by MS analysis
Storage	Store at room temperature in a desiccator upon receipt. Storage in buffer is NOT recommended. For up to one week, you can store peptides in solution at 4°C. For short term storage (up to one months), solubilize in buffer and aliquot, then store frozen at -20°C to avoid freeze-thaw cycles. For long term storage -80°C is recommended.

Mass spectrometry



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Background

mAb G196/G196-epitope peptide (five amino acid sequence Asp-Leu-Val-Pro-Arg, DLVPR) is a new peptide tagging system for cell biology and biochemistry research. The recognition specificity of monoclonal antibodies (mAbs) has made mAbs among the most frequently used tools in both basic science research and in clinical diagnosis and therapies. Precise determination of the epitope allows the development of epitope tag systems to be used with recombinant proteins for various purposes. A new family of tag was derived from the epitope recognized by a highly specific mAb G196. The minimal epitope was the five amino acid sequence Asp-Leu-Val-Pro-Arg. Isothermal titration calorimetry revealed the high affinity (Kd = 1.25 nM) of the mAb G196/G196-epitope peptide interaction, and G196-tag was used to detect several recombinant cytosolic and nuclear proteins in human and yeast cells.

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