Standardize Your Kinase Assays

Technical Bulletin

Using Myelin Basic Protein (MBP) for Effective Cell Signaling Research

Purified Myelin Basic Protein (MBP) is an effective substrate for many human kinases, making it a versatile tool for exploring mechanisms in signal transduction.

MBP is a phosphoprotein targeted by serine/threonine and tyrosine kinases at several conserved amino acid residues (1-5). Hundreds of publications have cited the use of MBP as an appropriate kinase substrate, providing a 'universal' standard for testing kinase activity in both basic research and drug discovery.

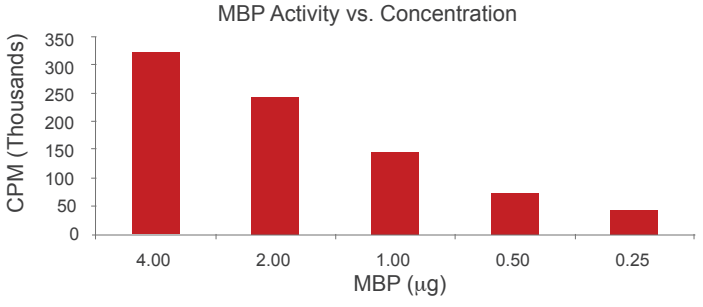
Save time and effort using high-quality native or recombinant MBP substrates, to standardize your kinase assays.

Broad Kinase Specificity

- >125 Serine/Threonine Kinases with Defined Assays
- Tyrosine Kinases
- Tested With All of SignalChem's Over 700 Kinases

Dependable Performance

- >90% Average Purity
- High Activity
- Lot-to-Lot Consistency



References:

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2. *Turner RS et al., Substrate specificity of phospholipid/Ca2+-dependent protein kinase as probed with synthetic peptide fragments of the bovine myelin basic protein. J Biol Chem. 1985 Sep 25;260(21):11503-7.*

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4. *Kim SJ et al., Insulin-sensitive myelin basic protein phosphorylation on tyrosine residues. Biochem Biophys Res Commun. 1991 Aug 30;179(1):392-400.*

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