



Biotinylated Molecular Weight Markers

ORDERING INFORMATION

Catalog Number: MW001

Lot Number: FGX01

Size: 500 μ L

Formulation: solution in Reducing Sample Buffer

Storage: -20° C

Application: Western blot

Preparation

This preparation contains a mixture of seven individually biotinylated proteins (rat Phosphorylase-b, bovine Catalase, recombinant human Annexin V, recombinant human IL-6, recombinant human TNF- α , bovine Cytochrome c and recombinant human EGF) and one blue dye-conjugated protein (recombinant human Annexin V). The molecular weights of the biotinylated proteins were determined by Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry (MALDI-TOF MS). The molecular weight of the blue protein was derived from a calibration curve using the biotinylated markers.

Formulation

Supplied as a ready to use solution in Reducing Sample Buffer (0.02 M dithiothreitol, 20% glycerol, 0.125 M Tris, 0.69 M SDS, 0.01% bromophenol blue).

Storage

This marker is stable for greater than six months when stored at -20° to -70° C. **Avoid repeated freeze-thaw cycles.**

Application

This product is designed for use as molecular weight markers in western blots probed with enzyme-conjugated avidin or streptavidin.

The biotinylated proteins were combined to produce seven bands of approximately equal intensity after separation. The blue protein can be used to monitor the transfer process. Protein markers should be thawed and mixed thoroughly prior to use. Use 5 μ L/lane for mini-gels and 10 μ L/lane for full-sized gels. Typical results after separation in 15% SDS gel and blotting on PVDF membrane are shown.

rPhosphorylase-b	122.0 kDa -
bCatalase	65.0 kDa -
rhAnnexin V - blue	43.0 kDa -
rhAnnexin V	36.0 kDa -
rhIL-6	21.0 kDa -
rhTNF- α	17.5 kDa -
bCytochrome c	10.0 kDa -
rhEGF	6.2 kDa -



FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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