

Store at
-20°C

Blue Prestained Protein Marker, Broad Range (11-250 kDa)



#59329

Small 250 µl
Petite 25 µl

Support: +1-978-867-2388 (U.S.)
www.cellsignal.com/support

Orders: 877-616-2355 (U.S.)
orders@cellsignal.com

New 10/19

For Research Use Only. Not For Use In Diagnostic Procedures.

Description: Blue Prestained Protein Marker, Broad Range (11-250 kDa) is a mixture of purified proteins covalently coupled to a blue dye that resolve to a series of 11 bands between 11 and 250 kDa following electrophoresis. The protein concentrations are carefully balanced for even intensity. The covalent coupling of the dye to the proteins affects their electrophoretic behavior in SDS-PAGE gels relative to unstained proteins.

Directions For Use:

Important: Do Not Boil Protein Marker

1. Thaw the protein ladder on ice.
2. Gently vortex solution to ensure the mixture is homogeneous.
3. Load the appropriate volume of the protein marker per lane, as specified below:

Mini-Gel: 0.75-1.0 mm thick: load 5 µl
1.5 mm thick: load 10 µl

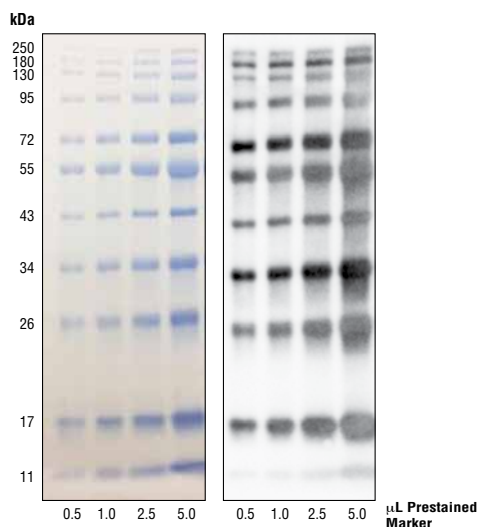
Large Gel: 0.75-1.0 mm thick: load 10 µl
1.5 mm thick: load 20 µl

Please note, when using #59329 Blue Prestained Protein Marker, Broad Range (11-250 kDa) with #46387 Anti-Blue (2D2F11) Mouse mAb (HRP Conjugate), it is recommended to load between 0.5 µl-2.5 µl of #59329 to better visualize the separation of proteins while minimizing excess background due to an overabundance of protein.

4. Unused ladder may be returned to -20°C for long-term storage.

Note on Apparent Molecular Weights:

The relative sizes of these protein markers may depend on the type of gel used and may appear different than expected. The coupling of a charged dye molecule to a protein marker alters the overall charge of the protein and will likely alter its mobility in an SDS polyacrylamide gel. The extent of this effect can vary with the properties of the gel type (e.g., Tris-glycine, Tris-Tricine, etc.) used in the analysis. For this reason, the sizes of these marker proteins are expressed here as apparent molecular weights. For best results, we recommend using these prestained protein markers on a Tris-glycine SDS gel.



Titration of Blue Prestained Protein Marker, Broad Range (11-250 kDa) #59329 (left). Western blot analysis of #59329 using Anti-Blue (2D2F11) Mouse mAb (HRP Conjugate) #46387 (right).

Storage: Supplied in 62.5 mM Tris-Phosphate (pH 7.5 at 25°C), 1 mM EDTA, 2% SDS, 10 mM DTT, 1 mM Na₂S₂O₅ and 33% glycerol. Store at -20°C for up to one year.

For product specific protocols and a complete listing of recommended companion products please see the product web page at www.cellsignal.com.

Thank you for your recent purchase. If you would like to provide a review visit www.cellsignal.com/comments.

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Applications: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide **Species Cross-Reactivity:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.