ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Biometric un-stained protein ladder/markers (10-200 kDa)

Cat# PMU12-50 Biometric un-stained protein ladder (10-200 kDa) for mol wt determination by Western
Size: □ 500 ul **Form:** □ Liquid **Storage**: Store at -20oC

Highlights

- Ready to use, No boiling
- 14 recombinant proteins in easy multiples native, purified proteins.
- One reference protein band at 50 Kda (**2X concn**) for easy identification of reference band.
- Supplied in "No Freeze buffer".

Description

Biometric protein ladder or markers consists of un-labeled purified recombinant proteins in the range of 10-200 kda. These markers proteins should be used as regular samples for SDS-PAGE (denaturing) and Western. The markers are packaged in 50 application (10 ul/lane; 500 ul total) in a "no freeze buffer". For some gels, it may be possible to load 5-10 ul to get 50-100 loads per vials. Sample load should be adjusted depending upon the sensitivity of the detection. We recommend to store stock markers at -20oC. Fourteen (14) recombinant protein in easy multiples (10, 15, 20, 25, 30, 40, **50**, 60, 70, 85, 100, 120, 150, and 200 kda). Markers can only be visualized on gels or on blotting membranes after staining with coomassie blue or other appropriate stains.

Recommended Storage and Usage

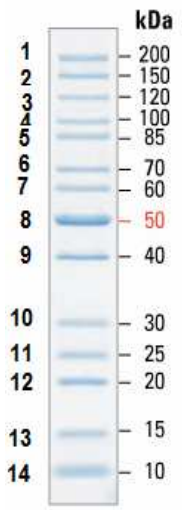
The markers are ready for use. No need to add sample buffer or heat. Simply remove the vial from -20oC, briefly mix it for 5-10 seconds, and load 10 ul/lane on standard minigels (1 mm thickness, 10-20 lanes/gel) for western transfer. For silver stains, dilute marker 1:5-1:10 with the sample buffer and load 5-10 ul.

Some markers may not be clearly visible during electrophoresis but should be clearly visible upon transfer to blotting membranes. It is possible to use 5-7.5 ul/lane if gel size is different or buffer/gel composition is different.

Cat # PMU11-50 is supplied in a reducing sample buffer (62.5 mM Tris-H3PO4, pH 7.5, 2% SDS, 1 mM EDTA, 100 mM DTT, 0.05% azide, 33% Glycerol, 0.01% brmophenol blue).

If additional bands appears then add fresh DTT or mercaptehanol.

Stability: 3 months at 4oC and 1 year at -20oC. Markers may freeze if stored at <-20oC. Do not store in freezing state and avoid freeze and thaw.



Note: PMU12-50 Markers are visible after staining with the coomassie blue dye. Gel pattern in 4-20% gradient gel (Tris-Glycine, mini-gels, 1 mm thickness, 15 lanes, 10 ul/lane).

This pattern will differ if analyzed on a single % gel or gels with different buffer or gel thickness or number wells or other variables. You can establish the standards range for a given gel system and use as reference. In general, 5-10 ul/lane will work in most standard mini gels.

This product is for in vitro research use only.

Related items available from ADI

90100 Western blot recycling kit (sufficient for 20-40 mini blots), 50 ml (10X)
PEN-G3 Antigen-Antibody Pen For Goat Primary antibodies
PEN-M2 Antigen-Antibody Pen For Mouse Primary antibodies
PEN-R1 Antigen-Antibody Pen For Rabbit Primary antibodies
SALL-500 StainAll dye for the visualization of proteins on membranes (transfer) 500 ml

80200-Rb Western blot Kit for Rabbit Primary Antibodies, Chemilum. Substrate

80201-Gt Western blot Kit for Goat Primary Antibodies, Chemilum. Substrate

80202-Mo Western blot Kit for Mouse Primary Antibodies, Chemilum. Substrate

PMU12-50 120116A

Alpha Diagnostic Intl Inc., 6203 Woodlake Center Dr, San Antonio, TX 78244, USA; **Email**: service@4adi.com
☎ (800) 786-5777; (210) 561-9515; **Fax**: (210) 561-9544; **Web Site**: www.4adi.com