Technical support: order@acebiolab.com

Phone: 886-3-2870051

Ver.1 Date: 20220104

AceColor Prestained Protein Marker (25-300 kDa)

Cat# A1057 – 2 x250 μl

Storage at -20°C

INFORMATION

ACE Biolabs AceColor Prestained Protein Ladder is a mixture of 7 blue-, a orange-, and a green-stained proteins (25 to 300 kDa) for use as size standards in protein electrophoresis (SDS-PAGE) and Western blotting. The protein ladder is supplied in a ready-to-use format for direct loading onto gels; no need to heat, reduce, or add sample buffer prior to use.

APPLICATIONS

- Monitoring protein migration during SDS-PAGE.
- Monitoring protein transfer efficiency on membranes after Western blot transferring.
- Sizing estimation of proteins on SDS-PAGE and Western blots.

PROTOCOL

- For SDS-PAGE: Loading 3 μl or 5 μl per well for clear monitoring electrophoresis on a 15-well or 10-well mini-gel. Apply more for a thicker (> 1.5 mm) or larger gel.
- For Western blotting: Loading 3~5 μl per well for monitoring electrophoresis and general Western blot transferring efficiency. Apply more for a thicker (> 1.5 mm) or larger gel.

Note: Do NOT heat, dilute, or add reducing agents before loading.

LADDER

Gel type Gel concentration Running buffer		Tris-Glycine			Tris-Acetate		Bis-Tris	
		6%	7%	B4-20%	6%	T3-8%	T4-12%	T4-12%
		Tris-Glycine			Tris-Acetate		MES	MOPS
		Apparent Molecular Weights, kDa						
	10		300		200		300	300
	20	=300 250	= 300 250 200 160	= 300 250	300 250 200		300 2500 1600 1000	= 300 250 200 160 130
	30	- 200	130	250 200 160 130	—160 —130	= 300 250		— 130 — 100
gel	40	— 160 — 130		— 100	100		 65	— 65
% length of gel	50	 100	 72	— 70 — 45				05
lengt	60	70		45	 65			 45
%	70	 72	— 45	— 25	 45	 65		
	80		40		40	— 45		25
L	90	— 45 — 25	25					
l	100		25		25	 25		

PRODUCT USE LIMITATION

These products are intended for research use only.

