

Technical Data Sheet

WesternFroxx all-in-one Protein Ladder (15 – 200 kDa)

for immunodetection

Order number: 7777YL250

General Information

WesternFroxx all-in-one Protein Ladder (15 – 200 kDa) is a *ready-to-use* protein ladder with dual function. First, it contains 4 pre-stained proteins (10, 25, 45 and 70 kDa) for monitoring protein separation during SDS-PAGE, verification of Western transfer efficiency on membranes (nitrocellulose, PVDF, or nylon) and for approximating the protein size. Secondly, it includes ten IgG-binding proteins covering a wide range of molecular weights from 15 to 200 kDa (tris-glycine buffer system). The IgG-binding proteins can be immuno-detected on film or by CCD imaging. WesternFroxx all-in-one Protein Ladder (15 – 200 kDa) is fully

compatible with chemiluminescent, fluorescent, chromogenic or other detection systems.

The marker is supplied in the gel loading buffer and *ready to use*. Do not heat, dilute, or add reducing agents before loading. WesternFroxx all-in-one Protein Ladder contains recombinant IgG binding proteins, glycerol, SDS, and tracking dyes in a Tris-HCl buffer.

Features

- x 4 prestained proteins for clear visualization during electrophoresis and Western blotting transfer
- x 10 IgG-binding proteins (immunodetectable) for visualization on Western blots
- x Wide range size estimation (10-200 kDa)
- x Two bands (30 and 80 kDa) with enhanced intensity

Application

Recommendations for loading:

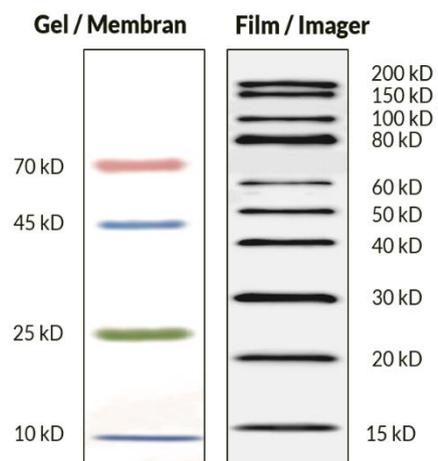
Two-step Western blot (enzyme-coupled secondary antibody): 1.0 – 2.5 µl per well

Western Blot with WesternFroxx Kit (one-step Western blot): 1.0 – 2.5 µl per well

Western blot with enzyme-coupled specific antibody: 2.5 - 5 µl per well

Apply more for thicker (> 1.5 mm) or larger gels.

Do not heat/dilute/add reducing agent before loading.



Storage

WesternFroxx all-in-one Protein Ladder (15 – 200 kDa) is stable for at least 3 months at 4°C. For long term storage, store at -20°C. The shelf life at -20°C is 2 years.

Performance

Migration pattern of WesternFroxx all-in-one Protein Ladder (15 – 200 kDa) in different electrophoresis conditions:

	Color	Running Buffer System		
		Tris-Glycine	Bis-Tris (MOPS)	Bis-Tris (MES)
	red	70	61	62
	blue	45	41	42
	green	35	22	23
	blue	10	9	10

The apparent molecular weight (kDa) of each prestained protein has been determined by calibration against an unstained protein standard; supplemental data should be considered for more accurate adjustments in different electrophoresis conditions.

Related products

5555	WesternFroxx Kit anti-mouse HRP for immunodetection
6666	WesternFroxx Kit anti-rabbit HRP for immunodetection
5560	ECL Xtrasensitivity Kit for immunodetection
1550	BSA blocking solution for immunodetection
1080	Casein high-end blocking solution for immunodetection
1095	Peptide blocking solution (BSA-free) for immunodetection
1123	Protein Ladder (11-245 kDa), prestained for molecular biology
1102	Acrylamide Xtra solution 30 % - Mix 37.5:1 for electrophoresis
1106	Acrylamide Xtra solution 30 % - Mix 29:1 for electrophoresis
1554	Acrylamide Xtrapure for biochemistry
1277	SDS Xtrapure for biochemistry
8027	TEMED for biochemistry
1610	Ammonium persulfate for molecular biology
1125	Tris Xtrapure for biochemistry
1275	Glycine for biochemistry

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