

ProGlow™ Westert Blot Protein Ladder

Catalog #: [P004](#)

Storage: Long term at -20°C or three months at 4°C

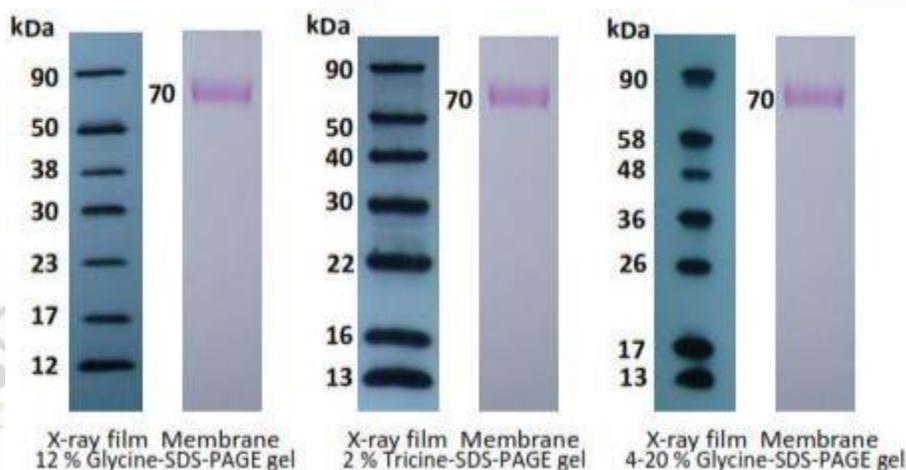
Storage Buffers: 125mM Tris-HCl, pH 6.8, 10mM DTT, 2mM EDTA, 2% (w/v) SDS, 10% (w/v) Glycerol, 0.01% (w/v) Bromophenol Blue

Decription:

ProGlow™ Western Blot Protein Ladders are designed for Western blots. ProGlow™ ladders can be used to monitor electrophoretic progress and to visualize protein standard bands directly on X-ray film or digital analytical equipment. ProGlow™ ladders consist of eight recombinant proteins in the range of 12-90 kDa. The 70 kDa protein is a pre-stained marker used for monitoring the electrophoresis process and evaluating the Western transfer efficiency. The other seven markers can bind to human, mouse, rat, goat, sheep or rabbit IgG with their IgG binding site, allowing direct visualization of markers on the X-ray film after ECL development. The ProGlow™ Western Ladder will give varying signal of intensity, depending upon the concentration of the primary and secondary antibodies. Gold Bio strongly recommends that you perform a test experiment with the ProGlow™ ladder to determine the optimal amount to load on your gel. Run a test gel and Western blot in which 5 µl, 1 µl, 0.3 µl, and 0.1 µl of ProGlow™ ladder is loaded and examine the signal intensity.

Directions:

1. Thaw to room temperature and mix gently.
2. Load 1-5 µl ProGlow™ Western Blot Ladder. We recommend testing different loading amounts of the standards to determine the optimal amount to use under your experimental conditions.
3. After electrophoresis, transfer proteins to a NC or PVDF membrane.
4. Perform the blocking step followed by incubating with primary antibody and secondary antibody.
5. After the thorough washing, incubate membrane with ECL reagent, and then expose the X-ray film in the dark room.
6. ProGlow™ Western Blot Ladder is stable at 4°C for six months. Please keep at -20°C for long term storage.



5 µl of Marker was loaded, transferred to a NC membrane, and detected using rabbit polyclonal antibody and goat anti-rabbit antibody-HRP, respectively.

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