

# 10-250KD Prestained Immunoblotting Protein Ladder

**Cat. No./Spec.**D1014-A/250  $\mu$ l; D1014-B/250  $\mu$ l $\times$ 5**Component**

Components	D1014-A	D1014-B
10-250KD Prestained Protein Ladder	250 $\mu$ l	250 $\mu$ l $\times$ 5

**Storage**

-20°C.

**Description**

This product includes 12 protein bands with a molecular weight range of 10kDa to 250kDa (10, 15, 25, 30, 35, 40, 55, 70, 80, 100, 150, and 250kDa). There are 10 pre-stained protein bands (10, 15, 25, 35, 40, 55, 70, 100, 150, and 250kDa) and 2 unstained protein bands (30kDa and 80kDa).

The 30kDa and 80kDa immunodetectable bands have IgG binding sites, which can be conjugated with antibodies and visualized during Western Blot development.

**Product Features**

1. Electrophoresis Process Visualization: 10 pre-stained protein molecular weight markers are visible during the electrophoresis process.
2. Western Blot Development Visualization: The 30kDa and 80kDa bands are visualized during Western Blot development, used for a rough estimation of the target protein size.

**Usage Method**

1. Allow the Marker to dissolve at room temperature or immerse it in a 37-40°C water bath for a few minutes to dissolve it; **avoid high-temperature heating.**
2. Gently vortex to ensure thorough mixing before proceeding with gel electrophoresis.
3. Generally, a sample volume of 5 $\mu$ l per application is sufficient; if performing transfer, use 2-5 $\mu$ l.
4. During the electrophoresis process, 10 pre-stained protein molecular weight standards are visible.
5. After transfer and antibody incubation, the 30kDa and 80kDa bands can be visualized on nitrocellulose or PVDF membranes.

**Important Notes**

1. This Marker should not be used for active protein electrophoresis to predict the size of protein molecular weights.
2. The covalent binding of protein to the chromophore will affect the protein's migration rate; therefore, the pre-stained protein Marker can only be used for a rough estimation of the target protein's molecular weight size. Each batch of pre-stained protein molecular weight Markers is calibrated relative to the unstained protein molecular weight Markers.
3. The intensity of the 30kDa and 80kDa immunodetectable bands depends on the concentration of the secondary antibody and the sensitivity of the substrate.
4. The 30kDa and 80kDa bands are visible after staining with Coomassie Brilliant Blue.

**Migration Patterns**

