

EXREsolve™ Prestained Protein Markers 10-200 kDa

Catalog Number: EXBR016



For Research Use Only. Not Intended for Diagnostic or Therapeutic Use.

Product Description

The EXREsolve™ Prestained Protein Markers is a dual-function molecular weight marker composed of 13 proteins with a molecular weight range of 10 kDa to 200 kDa. Four of the individual protein markers are pre-stained proteins (10 kDa, 25 kDa, 45 kDa and 70 kDa). The 10 kDa and 45 kDa bands are blue, the 25 kDa band is green, and the 70 kDa band is pink. The prestained markers enable direct observation of the protein electrophoresis status and estimation of protein transfer during Western Blot. The remaining 9 proteins contain binding sites for multiple IgG subtypes, which can bind multiple antibodies to the target protein simultaneously. After chemiluminescent detection, the remaining 9 bands are visualized in Western blot on film or by CCD imaging (15 kDa, 30 kDa, 40 kDa, 50 kDa, 60 kDa, 80 kDa, 100 kDa, 150 kDa, and 200 kDa), with 30 kDa and 80 kDa being enhanced intensity bands. This product is compatible with PVDF, nylon, and nitrocellulose membranes.

The product is supplied in gel loading buffer as a ready-to-use liquid not require heating, dilution or additional reducing agents before loading on gel.

Available sizes: 1 Pack (250 uL) or 5 Pack (5 x 250 uL)

For the separation of 10-200 kDa proteins, we recommend EXREsolve™ FlexKD PAGE Gel (catalog # EXBR001).

Limitations

- For Research Use Only. Not Intended for Diagnostic or Therapeutic Use.

Precautions

- Always wear appropriate protective clothing and follow safe laboratory procedures.

Storage

- Upon receipt, immediately store in -20°C.
- Store at -20°C for up to 12 months. **Avoid repeated freeze-thaw cycles.**
- **Storage Buffer:** Contains Tris, SDS, DTT, glycerol.

Protocol

1. Thaw at room temperature for a few minutes prior to use. **Do not boil.**
2. The loading volume should be determined by each laboratory based on experimental conditions. Suggested volumes:
 - 1.5-2.5 uL per well for 2-step Western blot (primary antibody and enzyme-conjugated secondary antibody)
 - 2.5-5 uL per well for 1-step Western blot (primary antibody directly conjugated to enzyme)
 - Volumes may need to be increased for large gels or gel thickness ≥ 1.5 mm.

Note:

- The mobility of the prestained protein markers may be affected by various buffers and gel concentrations (see Fig. 1 below). To achieve suitable approximation of molecular weight determination, it is recommended to calibrate prestained proteins against unstained standards using the same conditions.

Product Images

Figure 1. EXREsolve™ Prestained Protein Markers 10-200 kDa Typical Data and Buffer Effects

