Affinity Prestained Protein Ladder (10-180 kDa) User Manual

Reminder：Each time it is aspirated, the sterilized tip (or clean needle) should be replaced and the cover should be covered immediately after used, so as not to introduce protease contamination and cause degradation!

【Storage conditions】-20 °C constant temperature for long-term storage, 4 °C storage for 2 months, it is recommended to aliquot to avoid repeated freeze-thaw.

【Product Introduction】

The Affinity Color Prestained Protein Molecular Weight Standard includes 10 highly purified and prestained recombinant proteins (10, 17, 25, 33, 43, 55,72, 100, 130,180 kDa) from 10k to 180k with 72kDa bands orange-red and 10kDa green. The indicated apparent molecular weight has been calibrated according to Biorad1610363 and thermo26610 and 26614 non-prestained protein molecular weight standards. Suitable as a protein molecular weight standard for SDS-PAGE and Western Blot.

This color prestained protein molecular weight standard has been formulated in 1× SDS-PAGE loading buffer and is used directly without boiling, dilution, and adding reducing agents.

Depending on the size of the loading wells, this color prestained protein molecular weight standard typically takes 5ul per load, allowing very clear protein bands to be observed during electrophoresis, after electrophoresis, and after transfer.

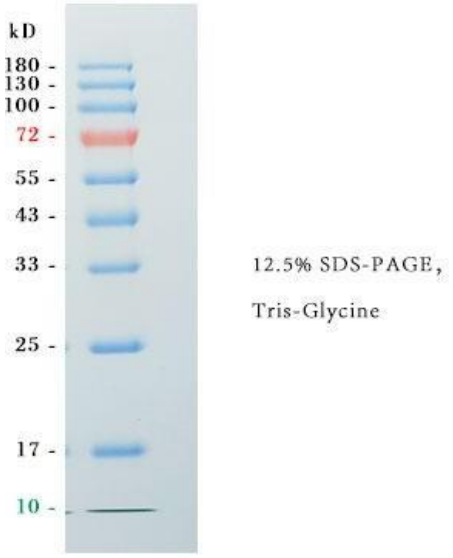
【Usage】

1. After thawing at room temperature, completely dissolve and gently mix well, do not boil;
2. Take 5ul of this product and the experimental sample at the same time for polyacrylamide gel electrophoresis; It is recommended that qualified laboratories can determine the appropriate amount of sample loading through pre-experiments according to their own experimental conditions and experimental habits when using this product for the first time, which can save costs and obtain better experimental images;
3. Unused color prestained protein molecular weight standards are stored under storage conditions and can be left at 4°C for 2 months.

【Precautions】

1. When it is low glue concentration, low molecular weight proteins will swim at the leading edge of the dye.
2. Western blot for large molecular weight protein needs to extend the transfer time or increase the transfer voltage, if not working well, it is recommended to fine-tune the transfer solution formula, reduce the amount of methanol, and add a small amount SDS (final concentration not exceeding 0.1%).
3. Prestained proteins have different apparent molecular weights under different buffer systems, and if they are calibrated with non-prestained proteins in advance in this buffer system, the protein molecular weight can be roughly determined.

【Legend display】



（12.5% SDS-PAGE glue, Tris-Glycine electrophoresis buffer，electropherogram）