

Version: 02

DATASHEET

Update: 09/22/2023

Broad Multi Color Pre-Stained Protein Standard

Cat. No.: M00624

Product Introduction

Broad Multi Color Pre-Stained Protein Standard is a special-designed protein standard. The standard is a mixture of ten highly purified pre-stained proteins ranging from 10 kDa to 270 kDa, covalently coupled with three different chromophores. The 30 kDa and 270 kDa bands are orange, 50 kDa band is green, and other bands are blue.

Broad Multi Color Pre-Stained Protein Standard is designed for observing protein separation during SDS-PAGE, verifying western transfer efficiency on membranes, and approximating the size of proteins. Due to the influence of covalently coupled chromophores on the electrophoretic mobility of proteins, this product is only suitable for roughly estimating the molecular weight of target protein samples.

Product Information

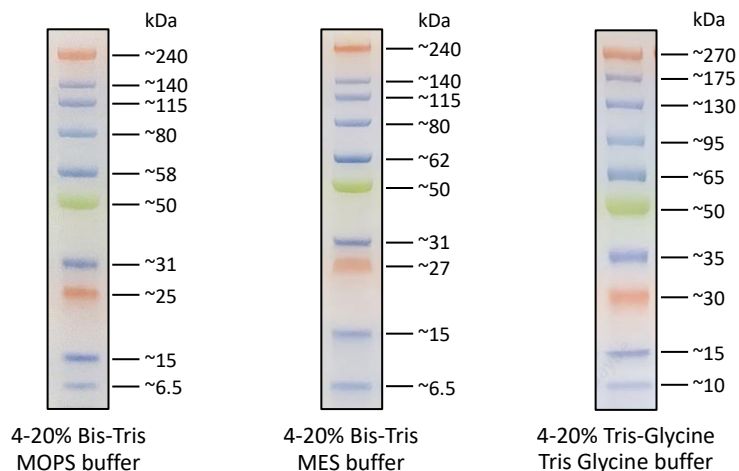
Components	M00624-250	M00624-1250
Broad Multi Color Pre-Stained Protein Standard	250 μ l	250 μ l * 5 vials

Storage Buffer: 62.5 mM Tris-H₃PO₄ (pH 7.5), 1 mM EDTA, 2% SDS, 10 mM DTT, 1 mM NaN₃, 33% glycerol.

Storage & Stability: Stable at -20°C for up to 24 months or 4°C for up to 3 months. Aliquots are recommended before use to avoid repeated freeze-thaw cycles.

Guide for Molecular Weight Estimation

Broad Multi Color Pre-Stained Protein Standard in different electrophoresis conditions are listed below:



Procedures for use of gel electrophoresis

1. Thaw this product at room temperature. Do **NOT** boil protein marker.
2. Mix gently and thoroughly to ensure that the solution is homogeneous.
3. Bands intensity may vary according to gel type, thickness, and staining condition. Please adjust loading volume from 2.5 μ l to 10 μ l.

Applications

1. Monitoring protein migration during SDS-PAGE.
2. Estimating protein sizes on SDS-PAGE gels.
3. Verifying transfer efficiency on membranes for Western Blot.
4. Locating a protein of interest for excision from an unstained preparative gel.

Recommendations

1. Completely thaw and mix this product at room temperature before using.
2. This product is only suitable for roughly estimating the molecular weight of protein samples.

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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