ICA8480Bo01
Recombinant Myoglobin (MYO)
Organism Species: Bos taurus; Bovine (Cattle)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression.
Host: E. coli
Residues: Met1~Gly154
Tags: N-terminal His-Tag
Tissue Specificity: Heart.
Purity: >98%
Traits: Freeze-dried powder
Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Original Concentration: 200μg/mL
Applications: Positive Control; Immunogen; SDS-PAGE; WB.
(May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point: 6.9
Predicted Molecular Mass: 20.8kDa
Accurate Molecular Mass: 21kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles. Store at 2-8oC for one month.
Aliquot and store at -80oC for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37oC for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

MGLSDGEWQL VLNAWGKVEA DVAGHGQEVL IRLFTGHPET LEKFDKFKHL
KTEAEMKASE DLKKHGNTVL TALGGILKKK GHHEAEVKHL AESHANKHKI
PVKYLEFISD AIIHVLHAKH PSDFGADAQA AMSKALELFR NDMAAQYKVL
GFHG

[IDENTIFICATION]

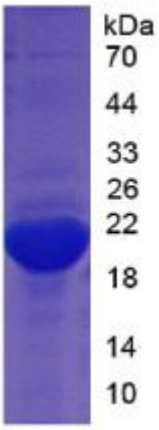

Figure 1. SDS-PAGE