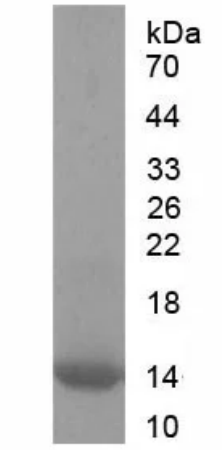
Active Hemoglobin (HB)

Catalog#:NP12673

概述（Summary）

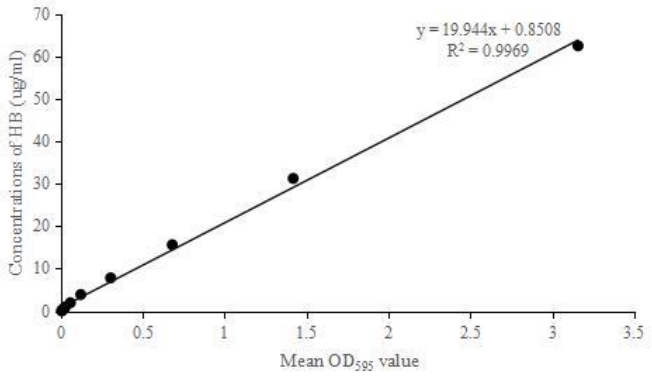
别称（Alternative Names）	Hgb; Haemoglobin; Heterotetramer(αβ)2
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
Accession #	-
表达宿主（Host）	Hamster
种属（Species）	Hamster (Chinese hamster)
预测分子量（Predicted MW）	14&15 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）



The activity of native chinese hamster hemoglobin

Hemoglobin (HB) is a protein in red blood cells which contains iron. It is used to transport oxygen around the human body. Hemoglobin is found in the red blood cells of almost all vertebrates. Hemoglobin has peroxidase activity. In the presence of hydrogen peroxide, hemoglobin can catalyze the substrates 3,3 ', 5,5' - tetramethylbenzidine (TMB) to produce a blue compound which has a maximum absorption at 595 nm. Thus, the activity of native chinese hamster hemoglobin was measured by its ability to catalyze the substrates of TMB. The reaction was performed in PBS, pH 7.4 (Assay Buffer), ainitiated by addition 40 µL of various concentrations of HB (diluted by Assay Buffer) to 160 µL of TMB. Incubated at 37 ℃ for 20min, then read at a wavelength of 595 nm immediately. The result was shown in figure 1, and the OD value was in a linear relationship with the concentration of HB.

注意事项（Note）

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