#### Biotinylated Human EPO R/Erythropoietin R Protein

EPO-HM50RB

Cat. No.

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Description	
Source	Recombinant Biotinylated Human EPO R/Erythropoietin R Protein is expressed from HEK293 with hFc tag and Avi tag at the C-terminus.
	It contains Ala25-Pro250.
Accession	P19235-1
Molecular Weight	The protein has a predicted MW of 52.58 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC
Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Background	
	The erythropoietin (epo) receptor is a member of the cytokine receptor family. It is expressed almost exclusively on erythroid precursor cells and controls the development of red blood cells. The epo receptor has no intrinsic kinase activity, but binds intracellular tyrosine kinases to elicit its signals. Alterations in the transmission of the signalling cascade lead to clinically abnormal red blood cell production.

## Assay Data



Biotinylated Human EPO R on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

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## Assay Data





The purity of Biotinylated Human EPO R is greater than 95% as determined by SEC-HPLC.

#### **ELISA Data**





Immobilized Human EPO, No Tag at  $5\mu$ g/ml (100 $\mu$ l/well) on the plate. Dose response curve for Biotinylated Human EPO R, hFc Tag with the EC50 of 0.70 $\mu$ g/ml determined by ELISA.

Log Biotinylated Human EPO R, hFc Tag Conc.(µg/ml)