

# Product Datasheet

## Erythropoietin R Antibody

### NB120-26824

Unit Size: 0.25 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB120-26824**

## Erythropoietin R Antibody

**Product Information**

<b>Unit Size</b>	0.25 mg
<b>Concentration</b>	1.32 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein G purified
<b>Buffer</b>	0.15M PBS (pH 7.4)

**Product Description**

<b>Host</b>	Sheep
<b>Gene ID</b>	2057
<b>Gene Symbol</b>	EPOR
<b>Species</b>	Human
<b>Reactivity Notes</b>	Reacts with human.
<b>Specificity/Sensitivity</b>	Antibody titers and specificity were analyzed by ELISA assay using control samples by varying concentration of EpoR
<b>Immunogen</b>	The immunogen used was the cDNA of the extracellular domain of human EpoR expressed as a protein in E. coli.

**Product Application Details**

<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000, ELISA 1:20, Immunocytochemistry/Immunofluorescence 1:1000, Immunoprecipitation 1:10-1:500
<b>Application Notes</b>	ELISA, Immunoprecipitation, Western Blot and Immunocytochemistry Affinity purified antibody was found to detect EpoR at concentrations of 50 ng/ml. Neutralization of ligand binding has been detected using erythroleukemia cell line TF-1 with 3000 Epo receptors/cell to block Iodine 125 labeled erythropoietin ligand binding. This antibody will recognize EpoR at its migration of 49 kD on SDS-PAGE. High quality secondary anti-sheep reagents are essential for this assay. Past experiments recommend the use of rabbit anti-sheep rather than donkey anti-sheep antibodies as a secondary labeling reagents.

**Publications**

Nakatsuji T. Long-term survival of a piece of rat bone marrow graft with the bone in syngeneic rat spleen: new roles of bone marrow mast cells host spleen megakaryocytes secreting vascular endothelial growth factor (VEGF). *Haema*; 8 (3):450-457. 2005-01-01

Fairchild Benyo D, Conrad KP. Expression of the erythropoietin receptor by trophoblast cells in the human placenta. *Biol Reprod*;60(4):861-70. 1999-04-01 [PMID: 10084959]

Harris KW, Mitchell RA, Winkelmann JC. Lig binding properties of the human erythropoietin receptor extracellular domain expressed in Escherichia coli. *J Biol Chem*;267(21):15205-9. 1992-07-25 [PMID: 1321832]



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## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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