Datasheet for ABIN1684613

EPOR Protein (C-Term, Extracellular Domain)

Go to Product page

Overview

Quantity:	50 µg
Target:	EPOR
Protein Characteristics:	C-Term, Extracellular Domain
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Specificity:	Optimized DNA sequence encoding extracellular domain of human erythropoietin receptor including a C-terminal Human IgG1 Fc tag was expressed in HEK293 cells.
Characteristics:	Recombinant EPO receptor is a homodimer protein consisting of two 460 amino acid residue subunit chains, due to glycosylation migrates as an approximately 55 kDa protein on SDS-PAGE.
Purity:	> 97 %, as determined by SDS-PAGE and HPLC
Sterility:	0.2 µm filtered
Endotoxin Level:	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/µg(1EU/µg).

Target Details

Target:	EPOR

Copyright antibodies-online. All rights reserved.

Target Details

Alternative Name:	EPOR (EPOR Products)
Background:	IL-7 is secreted constitutively into the conditioned medium of adherent bone marrow stromal cells and thymic cells. Mouse and human keratinocytes have been shown also to express and secrete IL7. Human (152 amino acids, 17.4 kDa) and murine IL7 (129 amino acids) show 60 % sequence homology at the protein level. The human IL7 receptor is an integral strongly glycosylated membrane proteins of 76 kDa expressed on activated T-cells. This receptor has been designated as CD127. IL7 receptors are expressed on pre-B-cells and their progenitors. They are not expressed on mature B-cells. IL7 receptors are expressed also on bone marrow macrophages. Functional IL7 receptors are found on the cell surface of multiphenotypic, biphenotypic, and immature lymphoid progenitors of B-cells with the gene arrangement of the heavy immunoglobulin chain such as those observed in the germ line
UniProt:	P19235
Pathways:	JAK-STAT Signaling

Application Details

Comment:	The activity was tested by immobilized recombinant CD131 (10 µg/mL) ability to bind recombinant human EPOR with a range of 0.1-4 µg/mL.
Restrictions:	For Research Use only

Handling

Buffer:	PBS solution, pH7.2
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	The lyophilized antibody is stable for at least 1 year from date of receipt at -20 °C. Upon reconstitution, this antibody can be stored in working aliquots at - 8 °C for one month, or at -20 °C for six months without detectable loss of activity.
Expiry Date:	12 months