

Anti-EPOR Monoclonal Antibody-Biotin

Product Details

Ig Type:	Rabbit monoclonal IgG
Reactivity:	Human
Conjugation:	Biotin
Molecular Weight:	150 kDa
Purification:	Protein A Affinity Purified

Applications

Verified Activity:	Flow cytometry analysis of EPOR overexpressed 371F cells with TMAZ-0026B, followed by goat anti-rabbit IgG-ABflo 647 (red line). The isotype control is rabbit IgG (black line).
Application:	FCM
Recommended	0.1-0.2 $\mu\text{g}/10^6$ cells for FCM

Properties

Purity:	> 95% as determined by SDS-PAGE.
Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	EPOR
Antigen Species:	Human
Gene ID:	2057
Uniprot ID:	P19235
Synonyms:	Erythropoietin receptor
Biology Area:	Immunology Research

Research Background

Receptor for erythropoietin, which mediates erythropoietin-induced erythroblast proliferation and differentiation (PubMed: 10388848, PubMed: 2163695, PubMed: 2163696, PubMed: 8662939, PubMed: 9774108). Upon EPO stimulation, EPOR dimerizes triggering the JAK2/STAT5 signaling cascade (By similarity). In some cell types, can also activate STAT1 and STAT3 (PubMed: 11756159). May also activate the LYN tyrosine kinase (By similarity)|Acts as a dominant-negative receptor of EPOR-mediated signaling

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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