Anti-Human Erythropoietin (EPO-16) Antibody (Clone 16F1H11)

Mouse monoclonal antibody to human erythropoietin

Catalog #01300 100 µg 1 mg/mL

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Product Description

Erythropoietin (EPO) is the major regulator of red blood cell production and is produced in the kidney in response to hypoxia. Clone 16F1H11 binds human EPO with a Kd of 8 nM.[1] Anti-EPO-16 is neutralizing for human, mouse, and baboon EPO. This clone binds to a conformational epitope on EPO.

Target Antigen Name:	EPO-16
Species Reactivity:	Human
Host Species:	Mouse
Clonality:	Monoclonal
Clone:	16F1H11
Isotype:	IgG1, kappa
Immunogen:	Pure human urinary EPO
Conjugate:	Unconjugated

Applications

Reported:	ELISA, Immunohistochemistry, Neutralization/Blocking

Properties

Formulation:	Phosphate-buffered saline
Purification:	The antibody was purified by affinity chromatography.
Stability and Storage:	Product stable at 2 - 8°C until expiry date (EXP) as indicated on label. Do not freeze. Addition of 0.1% sodium azide (final) is recommended once the vial has been opened.
Directions for Use:	Centrifuge vial briefly before use to ensure recovery of contents. Dilute with medium or phosphate-buffered saline containing 0.1 - 1% BSA as carrier protein. This antibody can be used for immunoassay, immunoaffinity isolation of EPO, and neutralization of human, mouse, and baboon EPO in a dose-dependent manner.[1-4] It is recommended that the antibody be titrated for optimal performance for each application.

Related Products

For a complete list of antibodies, including other conjugates, sizes, and clones, as well as related products available from STEMCELL Technologies, visit www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References

1. Wognum AW et al. (1988) Use of a sensitive bioimmunoabsorbent assay to isolate and characterize monoclonal antibodies to biologically active human erythropoietin. Blood 71(6): 1731–7.
2. Wognum AW et al. (1990) A specific in vitro bioassay for measuring erythropoietin levels in human serum and plasma. Blood 76(7): 1323–9.
3. Wognum AW et al. (1990) Immunochemical analysis of monoclonal antibodies to human erythropoietin. Exp Hematol 18(3): 228–33.
4. Wognum AW et al. (1990) Detection and isolation of the erythropoietin receptor using biotinylated erythropoietin. Blood 76(4): 697–705.