

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

## Mouse monoclonal antibody to human erythropoietin

Catalog #01300      100 µg      1 mg/mL



Scientists Helping Scientists™ | [WWW.STEMCELL.COM](http://WWW.STEMCELL.COM)

TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

[INFO@STEMCELL.COM](mailto:INFO@STEMCELL.COM) • [TECHSUPPORT@STEMCELL.COM](mailto:TECHSUPPORT@STEMCELL.COM)

FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

## 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  $K_d$  of 8 nM.<sup>1</sup> 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. <sup>1-4</sup> 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](http://www.stemcell.com/antibodies) or contact us at [techsupport@stemcell.com](mailto: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.

STEMCELL TECHNOLOGIES INC.'S QUALITY MANAGEMENT SYSTEM IS CERTIFIED TO ISO 13485. PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED.

Copyright © 2017 by STEMCELL Technologies Inc. All rights reserved including graphics and images. STEMCELL Technologies & Design, STEMCELL Shield Design, and Scientists Helping Scientists are trademarks of STEMCELL Technologies Canada Inc. All other trademarks are the property of their respective holders. While STEMCELL has made all reasonable efforts to ensure that the information provided by STEMCELL and its suppliers is correct, it makes no warranties or representations as to the accuracy or completeness of such information.