

SPECIFICITY

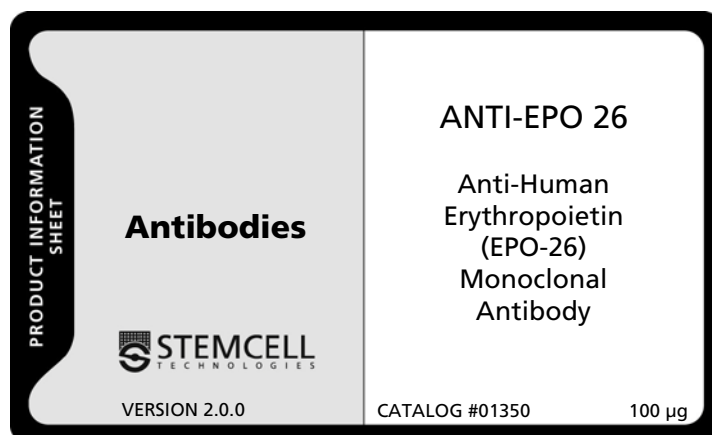
Erythropoietin (EPO) is the major regulator of red blood cell production and is produced in the kidney in response to hypoxia. Clone 26G9C10 binds human EPO with a K_d of ~ 0.7 nM. Anti-EPO is neutralizing for human EPO but not for mouse EPO. This clone binds to a linear epitope on EPO.

CLONE

26G9C10

ISOTYPE

IgE/ κ (mouse)



PREPARATION

Monoclonal 26G9C10 was generated by immunizing mice with pure human urinary EPO. Fusion Partner - myeloma NS1.

Purified from hybridoma culture supernatant by affinity chromatography using Sepharose 4B coupled to rat anti-mouse Igk.

FORMAT

1 mg/mL in phosphate buffered saline. Does not contain sodium azide or BSA.

STABILITY AND STORAGE

Product stable at 2 - 8°C until expiry date as indicated on label. Do not freeze. Product has been sterility tested. Addition of 0.1% sodium azide (final) is recommended once vial is opened. Dilute with medium or phosphate buffered saline containing 0.1-1% BSA as carrier protein.

APPLICATIONS AND DIRECTIONS FOR USE

Centrifuge tube briefly before use to ensure recovery of entire contents.

Anti-Human EPO-26 can be used for: (1) immunoassay, (2) immunoaffinity isolation of human EPO, and (3) neutralization of human and baboon EPO activity in a dose-dependent manner.¹⁻⁴

REFERENCES

1. Wognum AW, Lansdorp PM, Eaves CJ, Krystal G: Use of a sensitive bioimmunoabsorbent assay to isolate and characterize monoclonal antibodies to biologically active human erythropoietin. Blood 71:1731-7, 1988
2. Wognum AW, Lam V, Goudsmit R, Krystal G. A specific in vitro bioassay for measuring erythropoietin levels in human serum and plasma. Blood 76:1323-9, 1990
3. Wognum AW, Lansdorp PM, Krystal G: Immunochemical analysis of monoclonal antibodies to human erythropoietin. Exp Hematol 18:228-33, 1990
4. Wognum AW, Lansdorp PM, Humphries RK, Krystal G.: Detection and isolation of the erythropoietin receptor using biotinylated erythropoietin. Blood Aug 76:697-705, 1990