Human Erythropoietin R Antibody
Monoclonal Mouse IgG2B Clone # 38409
Catalog Number: MAB307

DESCRIPTION
Species Reactivity Human
Specificity Detects human Erythropoietin R in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant mouse Erythropoietin R is observed.
Source Monoclonal Mouse IgG2B Clone # 38409
Purification Protein A or G purified from ascites
Immunogen Mouse myeloma cell line NS0-derived recombinant human Erythropoietin R Pro26-Pro250
Accession # P19235
Endotoxin Level <0.10 EU per 1 μg of the antibody by the LAL method.
Formulation Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.
*Small pack size (SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

APPLICATIONS
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<table>
<thead>
<tr>
<th>Application</th>
<th>Recommended Concentration</th>
<th>Sample</th>
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</thead>
<tbody>
<tr>
<td>Western Blot</td>
<td>2 μg/mL</td>
<td>See Below</td>
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</tbody>
</table>

DATA

Western Blot
Detection of Human Erythropoietin R by Western Blot. Western blot shows lysates of UT-7 human acute myeloid leukemia cell line. PVDF membrane was probed with 2 μg/mL of Mouse Anti-Human Erythropoietin R Monoclonal Antibody (Catalog # MAB307) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). For additional reference, PVDF membrane was probed with 1 μg/mL of Goat Anti-Human Erythropoietin R Antigen Affinity-purified Polyclonal Antibody (Catalog # AF-322-PB) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for Erythropoietin R at approximately 70 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE
Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND
Epo R is a transmembrane protein expressed on the surface of megakaryocytes, erythroid progenitors, and endothelial cells. It binds Epo and transmits signals that stimulate the proliferation and maturation of bone marrow erythroid precursors into red cells.

Rev. 2/7/2018 Page 1 of 1

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