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Datasheet for ABIN1327051
anti-EPO antibody (AA 1-193)

2 Images

Overview

Quantity:	100 µg
Target:	EPO
Binding Specificity:	AA 1-193
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EPO antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Mouse monoclonal antibody raised against a full-length recombinant EPO.
Immunogen:	EPO (NP_000790.2, 1 a.a. ~ 193 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MGVHECPAWL WLLLSLLSLP LGLPVLGAPP RLICDSRVLE RYLLEAKEAE NITTGCAEHC SLNENITVPD TKVNFYAWKR MEVGQQAVEV WQGLALLSEA VLRGQALLVN SSQPWEPLQL HVDKAVSGLR SLTTLLRALG AQKEAISPPD AASAAPLRTI TADTFRKLFR VYSNFLRGKL KLYTGEACRT GDR
Clone:	1B12
Isotype:	IgG1
Cross-Reactivity:	Human

Product Details

Characteristics: Antibody Reactive Against Recombinant Protein.

Target Details

Target: EPO

Alternative Name: EPO ([EPO Products](#))

Target Type: Hormone

Background: Full Gene Name: erythropoietin
Synonyms: EP,MGC138142

Gene ID: 2056

NCBI Accession: [NM_000799](#)

Pathways: [JAK-STAT Signaling](#), [Hormone Activity](#), [Negative Regulation of intrinsic apoptotic Signaling](#),
[Negative Regulation of Transporter Activity](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

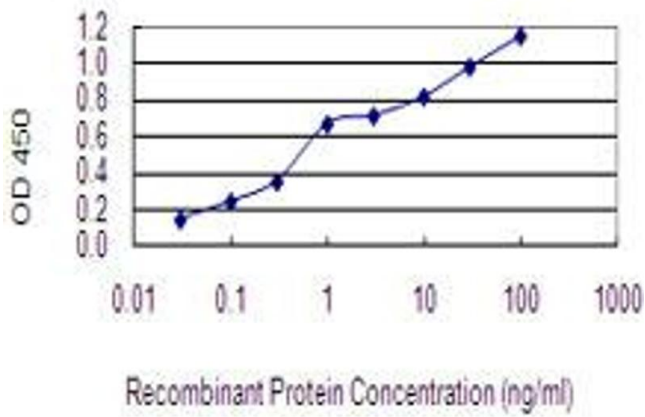
Handling

Buffer: In 1x PBS, pH 7.4

Handling Advice: Aliquot to avoid repeated freezing and thawing.

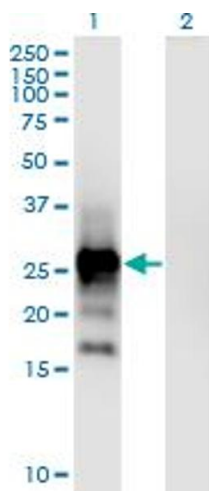
Storage: -20 °C

Storage Comment: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.



ELISA

Image 1. Detection limit for recombinant GST tagged EPO is 0.03 ng/ml as a capture antibody.



Western Blotting

Image 2. Western Blot analysis of EPO expression in transfected 293T cell line by EPO monoclonal antibody (M02), clone 1B12.

Lane 1: EPO transfected lysate (Predicted MW: 21.3 kDa).

Lane 2: Non-transfected lysate.