

# Erythropoietin (EPO) ELISA Kit

## Immunoassay for Human Erythropoietin

Catalog #01630

1 Kit



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## Product Description

This kit is meant for the quantitative measurement of natural and recombinant human erythropoietin (EPO) in biological fluids, such as serum, plasma and tissue culture supernatants. The EPO ELISA utilizes two monoclonal antibodies raised against human EPO. These antibodies bind two non-overlapping epitopes on the EPO polypeptide and show high-affinity binding to both natural and recombinant EPO. The EPO ELISA Kit is intended for measurement of human EPO only. It has not been validated for detection of EPO from other species.

## Product Information

The following components are sold as part of the EPO ELISA Kit (Catalog #01630) and are not available for individual sale.

Each component is stable for at least 1 year after the date of manufacture (MFG) indicated on each vial when stored at 2 - 8°C. Do not freeze.

COMPONENT NAME	COMPONENT #	SIZE	DESCRIPTION
Buffer A	01600	3 mL	Phosphate-buffered saline containing protein, detergent and 0.09% (v/v) Proclin
Buffer B	01601	50 mL	Phosphate-buffered saline containing protein, detergent and 0.09% (v/v) Proclin
Biotinylated Anti-EPO Antibody	01602	7 mL	Diluted in 7 mL Buffer B
Streptavidin-Peroxidase Conjugate	01603	12.5 mL	Diluted in peroxidase stabilizing buffer
TMB Substrate Solution*	01604	12.5 mL	Tetramethylbenzidine and hydrogen peroxide solution
Stop Solution*	01605	12 mL	0.5 N sulphuric acid
10X Wash Buffer	01606	100 mL	Concentrate of phosphate-buffered saline containing detergent
EPO Standard	01607	1 mL	100 mU/mL
EPO Standard	01608	1 mL	50 mU/mL
EPO Standard	01609	1 mL	25 mU/mL
EPO Standard	01610	1 mL	12.5 mU/mL
EPO Standard	01611	1 mL	6.25 mU/mL
EPO Standard	01612	1 mL	3.12 mU/mL
EPO Standard	01613	1 mL	1.56 mU/mL
EPO Standard	01614	1 mL	0 mU/mL
Microtiter Plate	01615	1 plate	96 wells (12 strips of 8 wells) pre-coated with anti-EPO monoclonal antibody
Adhesive Covers	01616	4 covers	Plate covers

\*Please refer to the Safety Data Sheet (SDS) for hazard information.

## Directions for Use

For a detailed description of the assay principles, intended use and procedure refer to the Technical Manual: Human Erythropoietin ELISA Kit (Document #28379), available on our website at [www.stemcell.com](http://www.stemcell.com) or contact us to request a copy.

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