

LEGENDplex™ Mouse TPO Capture Bead A7, 13X

Catalog# / Size	740688 / 100 tests (270 µL)
Regulatory Status	RUO
Other Names	Thrombopoietin, MPLLG, Myeloproliferative Leukemia Virus Oncogene Ligand, TPO-1, TPO-2, TPO-3, TPO-4

Description The Mouse HSC Panel Mix and Match Capture Beads offer flexible customization within the panel (13-plex) with the following items listed below:

740686 LEGENDplex™ Mouse IL-34 Capture Bead A4, 13X
740056 LEGENDplex™ Mouse IL-5 Capture Bead A5, 13X
740687 LEGENDplex™ Mouse M-CSF Capture Bead A6, 13X
740688 LEGENDplex™ Mouse TPO Capture Bead A7, 13X
740057 LEGENDplex™ Mouse IL-6 Capture Bead A8, 13X
740689 LEGENDplex™ Mouse GM-CSF Capture Bead A10, 13X
740690 LEGENDplex™ Mouse IL-15 Capture Bead B2, 13X
740692 LEGENDplex™ Mouse TGF-β1 Capture Bead B3, 13X
740691 LEGENDplex™ Mouse IL-3 Capture Bead B4, 13X
740693 LEGENDplex™ Mouse LIF Capture Bead B5, 13X
740694 LEGENDplex™ Mouse SCF Capture Bead B6, 13X
740695 LEGENDplex™ Mouse EPO Capture Bead B7, 13X
740696 LEGENDplex™ Mouse CXCL12 (SDF-1) Capture Bead B9, 13X

Selected items will be used together with:

740684 LEGENDplex™ Mouse HSC Panel Standard
740685 LEGENDplex™ Mouse HSC Panel Detection Antibodies
740620 LEGENDplex™ Buffer Set H (Set Up Beads, Buffers, Plate Sealers, SA-PE, and Matrix)
740377 or 740379 Filter Plate or V-bottom Plate

The LEGENDplex™ Mouse HSC Panel (13-plex) is a bead-based multiplex assay panel, using fluorescence-encoded beads suitable for use on various flow cytometers. It allows for simultaneous quantification of 13 key targets involved in hematopoietic stem cell differentiation and lineage specific markers, including IL-34, IL-5, M-CSF, TPO, IL-6, GM-CSF, IL-15, TGF-β1, IL-3, LIF, SCF, EPO, and CXCL12 (SDF-1). This assay panel provides higher detection sensitivity and broader dynamic range than traditional ELISA methods. The panel has been validated for use on cell culture supernatant, serum, and plasma samples.

Product Details

Verified Reactivity Mouse

Application [Multiplex](#)

Learn more about LEGENDplex™ at biolegend.com/legendplex

Download the [LEGENDplex™ software here](#).

Antigen Details

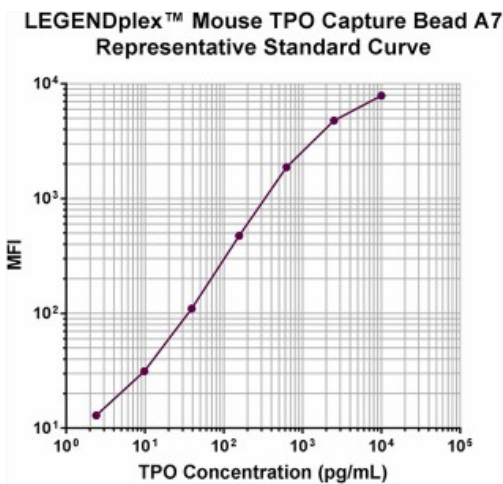
Biology Area Apoptosis/Tumor Suppressors/Cell Death, Cell Biology

Molecular Family Cytokines/Chemokines, Growth Factors

Gene ID [21832](#)

Related Protocols

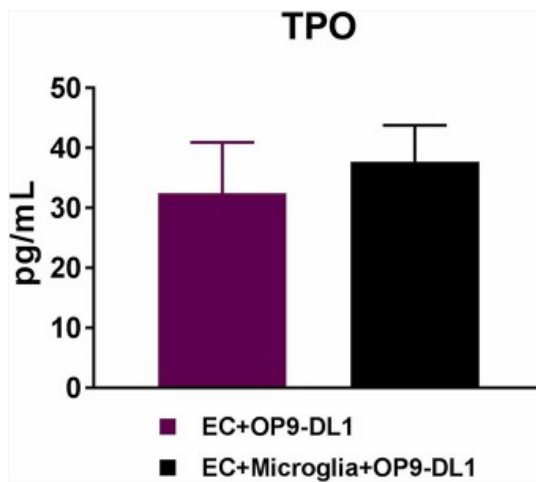
Product Data



Data generated using the following LEGENDplex™ Mix & Match Reagents:

- Mouse TPO Capture Bead A7, 13X (Cat. # 740688)
- Mouse HSC Panel Detection Antibodies (Cat. # 740685)
- Mouse HSC Panel Standard (Cat. # 740684)
- Buffer Set H (Cat. # 740620)

Note: Data acquired on a BD FACSCalibur™ flow cytometer.



Murine endothelial (CD31^{pos}CD41^{neg}CD45^{neg}) and microglial cells (CD45^{pos}CD11b^{pos}F4/80^{pos}) were isolated from digested E10.5 embryonic head tissue via FACS. Cells were co-cultured with OP9-DL1 cells for 7 days, and then culture supernatants were quantified using the LEGENDplex™ Mouse HSC Panel.

Results are presented as the mean target concentration + SD (n = 6 embryos). Data were provided courtesy of Dr. Zhuan Li, MRC Centre for Inflammation Research, University of Edinburgh.

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