

Th17/Treg/TLR/STAT3/Inflammatory Pathways

IMGENEX DRUG DISCOVERY & SCREENING SERVICES

Stable & Reporter Cell Lines

IMGENEX proprietary Reporter Cell Lines provide the most advanced system available for screening Treg, Th17, TLR, STAT3 and Inflammatory pathway mediators.

Screening Services include:

- Agonist or Antagonist Identification
- IC₅₀ or EC₅₀
- Identification of new/unique key signaling pathways and druggable targets
- Flow cytometry for cell differentiation and activation studies
- ELISA for activation read-outs

Stable & Reporter Cell Line Features:

- Optimized target gene expression: TLRs, IL-17A, FOXP3, IL-8, TLR3/IFN β , STAT3, TLR3/ISRE SEAP or luciferase expression
- Extensive functional characterization
- Broad working range dynamics
- Sensitivity
- Adaptable scalability for high-throughput screening
- The most optimal & advanced systems available today

LUCIFERASE REPORTER ASSAYS & LUCPorter™ CELL LINES

NEW Treg & Th17 Activation Pathways

Cat No	Description	Species
IML-301	IL-17A	Human
IML-302	FOXP3	Human
IML-303	IL-8	Mouse

IL-17A & FOXP3 Plasmids

Cat No	Description
IMP-121	ROR γ (IL-17A Promoter Induction)
IMP-122	ROR γ (t) (IL-17A Promoter Induction)
IMP-123	RUNX1 (FOXP3 Promoter Induction)

NEW Type I Interferon & STAT3 Activation Pathways

Cat No	Description	Species
IML-304	TLR3/IFN β	Human
IML-305	TLR3/ISRE	Human
IML-307	STAT3	Human

LightSwitch™ Luciferase Reporter Assays

Cat No	Description	Quantity
LS010	LightSwitch	10 mL
LS100	LightSwitch	100 mL

LightSwitch™ is a trademark of SwitchGear Genomics.

SEAP REPORTER ASSAYS

NF- κ B/SEAP RAW Reporter Cell Line

Stably transfected mouse RAW 264.7 cells with NF- κ B SEAP that constitutively express TLRs 1, 2, 3, 4, 6, 7, 8, 9 & MD2.

Cat No	Description	Species
IML-120	TLR/NF- κ B/SEAP Transfected RAW Cells	Mouse

TLR HEK 293 Stable Cell Lines

HEK 293 cells stably transfected with plasmids for human or mouse Toll-Like Receptors. All human TLRs 1-10 and mouse TLR 11, 12, 13.

SEAPorter™ Assay Kits

Secreted Alkaline Phosphatase Reporter Assay for fast and sensitive detection of NF- κ B or non-NF- κ B activity.

Cat No	Description
IML-515	NF- κ B SEAPorter Assay Kit
10055K	SEAPorter Assay Kit

TLR/NF- κ B/SEAPorter™ HEK 293 Stable Cell Lines

HEK 293 cells stably co-transfected with human or mouse TLR & NF- κ B reporter genes. All human TLRs 1-10 and mouse TLR 11, 12.

Leading Innate Immunity portfolio of antibodies to TLRs, NLRs, RLRs, CLRs, Inflammasome components & Signaling Molecules

Design

your own
complete

Reporter Assay System

Cell Lines

Ligands or
Peptide
Inhibitors

Reporter
Assay
Reagents

