Validation data for HEK-Lucia™ RIG-I Cells

http://www.invivogen.com/hek-lucia-rigi

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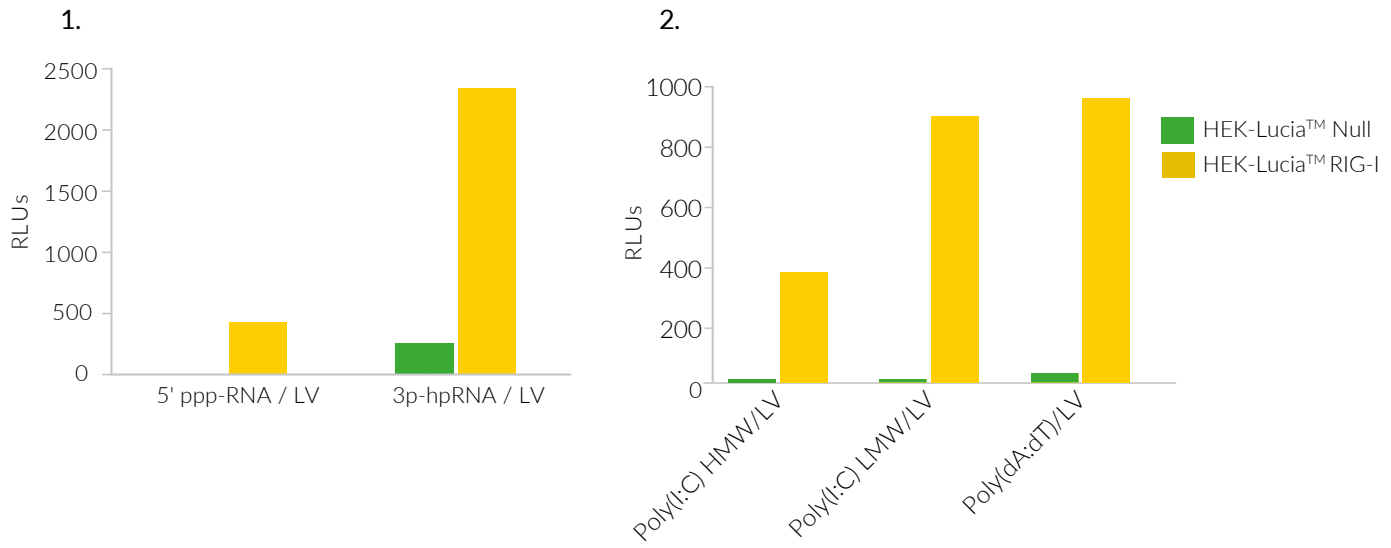
HEK-Lucia™ RIG-I cells were generated from HEK-Lucia™ Null cells, HEK293-derived cells that stably express the secreted Lucia luciferase reporter gene. This reporter gene is under the control of an IFN-inducible ISG54 promoter enhanced by a multimeric IFN-stimulated response element (ISRE). HEK-Lucia™ RIG-I cells stably express high levels of human RIG-I, and together with their parental cell line, they can be used to study the role of RIG-I by monitoring IRF-induced Lucia luciferase activity with QUANTI-Luc™. HEK-Lucia™ RIG-I cells respond strongly to cytosolic RIG-I ligands such as 3p-hpRNA and 5'ppp-dsRNA.

IRF INDUCTION (Lucia luciferase reporter)



HEK-Lucia™ Null and HEK-Lucia™ RIG-I cells were stimulated with 1 µg/ml 5'ppp-dsRNA or 3p-hpRNA (pannel 1), or with 100 ng/ml of Poly(I:C) HMW/Lyovec, 100 ng/ml of Poly(I:C) LMW/Lyovec, or 100 ng/ml of Poly(dA:dT)/Lyovec (pannel 2). After overnight incubation, the ISG response was assessed by determining Lucia luciferase activity in the supernatant using QUANTI-Luc™ and expressed as relative light units (RLUs).

TECHNICAL SUPPORT
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