

Materials List for:

An ELISA Based Binding and Competition Method to Rapidly Determine Ligand-receptor Interactions

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Materials

Name	Company	Catalog Number	Comments
Nunc-Immunoplate (F96 Maxi sorp)	Thermo Scientific	442404	ELISA plate
Sodium carbonate (Na ₂ CO ₃)	Merck	497-19-8	For ELISA plate coating buffer
Sodium hydrogen carbomnate(NaHCO ₃)	Merck	144-55-8	For ELISA plate coating buffer
Bovine Serum Albumin (BSA)	Sigma	A7030-100G	5% BSA in PBS for Blocking
rhIL-28Ra/IFNλR1	R&D systems	5260-MR	Recombinant human interleukin-28 Receptor alpha
rhIL-29/IFNλ1	R&D systems	1598-IL/CF	Recombinant human interleukin-29/ Carrier free/C-terminal 10-His tag
rhIL-28A/IFNλ2	R&D systems	1587-IL/CF	Recombinant human interleukin-28A/Carrier free/C-terminal 6-His tag
rhIL-28B/IFNλ3	R&D systems	5259-IL/CF	Recombinant human interleukin-28B/Carrier free/C-terminal 6-His tag
6x His Monoclonal antibody (Mouse)	Clontech	631212	Primary antibody to capture His tagged Ligands
Goat anti-Mouse igG (H+L)	Jackson Immuno Research	115-035-166	Horseradish Peroxidase conjugated secondary antibody
BDoptEIA TMB reagent set	BD Biosciences	555214	ELISA - TMB substrate solution
Sulfuric acid (H ₂ SO ₄)	Fulka	84720	5 N H ₂ SO ₄ (Enzyme reaction stop solution)
Synergy/H1 - Microplate reader	BioTeK		ELISA plate reader