

Product datasheet for **LY300208**

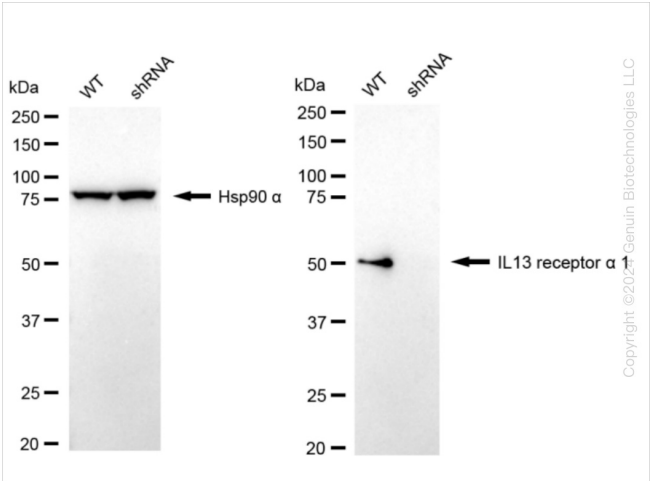
IL13 receptor alpha 1 (IL13RA1) Human Knockdown Lysate

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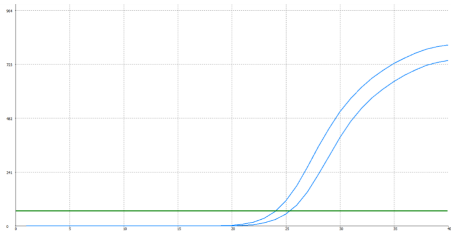
Product Type:	Knockdown Lysates
Description:	WB-validated IL13RA1 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	IL13RA1; Interleukin 13 Receptor Subunit Alpha 1; CD213a1 Antigen; IL-13Ra; CD213a1; NR4; Interleukin-13 Receptor Subunit Alpha-1; Interleukin 13 Receptor, Alpha 1; IL-13 Receptor Subunit Alpha-1; IL13 Receptor Alpha-1 Chain; Cancer/Testis Antigen 19; IL-13R Subunit Alpha-1; CT19; IL-13R-Alpha-1; IL-13RA1; IL13RA; IL13R
Predicted MW:	49 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug IL13RA1 KD HeLa cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	3597
UniProt ID:	P78552
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway


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Product images:



Western blotting analysis. IL13RA1 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against IL13RA1 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.



Genotype	Ct Value
Wild-Type	23.73
Knock-Down	24.95
$\Delta Ct (Ct_{KD} - Ct_{WT})$	1.22
% mRNA Reduction	↓ 57%

RT-qPCR analysis. HeLa cells were infected with IL13RA1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD} - Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta Ct}) \times 100\%$.