

A novel CXCR4-targeted near-infrared (NIR) fluorescent probe (Peptide R-NIR750) specifically detects CXCR4 expressing tumors.

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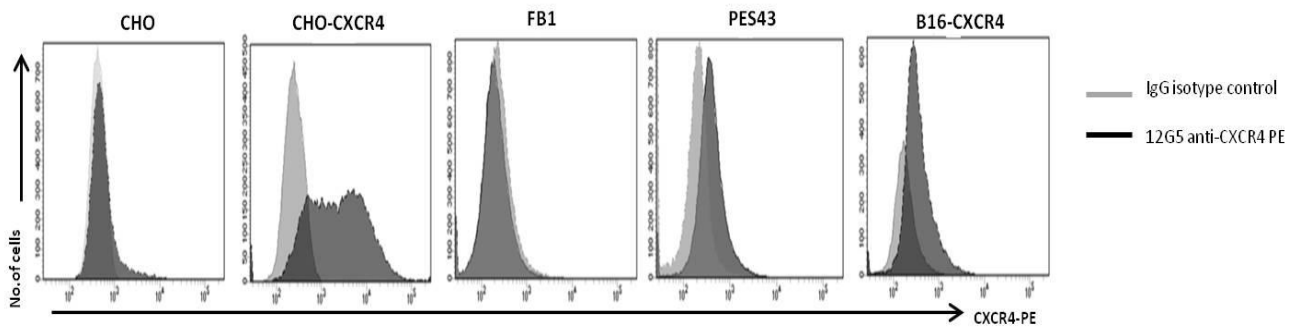
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## Supplementary Figure S1



Cell Lines	CXCR4 (%) (12G5 anti-CXCR4 PE)
CHO	0.9
CHO-CXCR4	82
FB1	5,6
PES43	69
B16-CXCR4	79

### Supplementary Figure S1 legend

**Figure S1.** CXCR4 profile in CHO, CHO-human CXCR4, FB1, PES43 and B16 -human CXCR4 cells through flow cytometry. Cells were incubated with the phycoerythrin (PE) conjugated anti-hCXCR4 (clone 12G5).

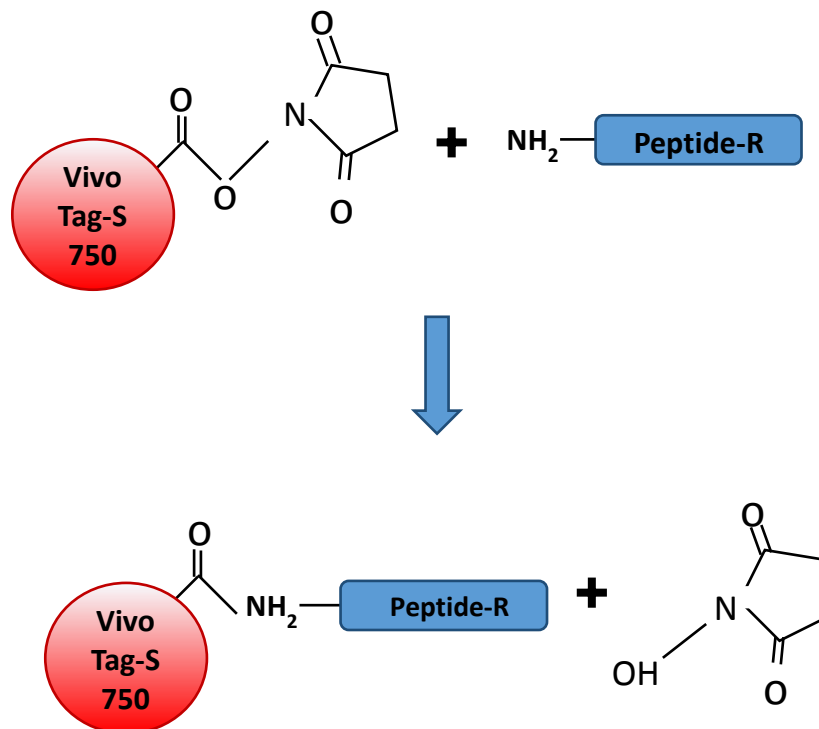
## Supplementary Figure S2

A

Peptide R

Arg-Ala-[Cys-Arg-Phe-Phe-Cys]

B



## Supplementary Figure S2 legend

**Figure S2.** (A) Amino acid composition of CXCR4 peptide; (B) Illustration of Peptide R and VivoTag-S 750-N-hydroxysuccinimide (NHS) ester conjugation.