

# Retinal pigmented epithelial cell line overexpressing HA-FLAG-CXCR4-MYC

**Catalogue number:** 157704

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Allen Liu

**Institute:** University of Michigan

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Retinal pigmented epithelial cell line overexpressing HA-FLAG-CXCR4-MYC

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** Retinal pigment epithelial cells (RPE) stably expressed human CXCR4 when transduced with N-terminal FLAG or N-terminal FLAG and C-terminal MYC tagged CXCR4. RPE cells were used because this cell line has very low CXCR4 expression. Results can be attributed to the overexpression of CXCR4 and not be confounded by endogenous CXCR4. As an experimental model the cells showed overexpressed CXCR4 recapitulate endogenous CXCR4 signalling and internalization dynamics.

**Purpose:**

**Parental cell:** Retinal pigmented epithelial cell line

**Organism:** Human

**Tissue:** Eye

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

Stable RPE cell lines expressing HA-FLAG-CXCR4 or HA-FLAG-CXCR4-MYC receptors were generated using lentiviral transduction produced from the pLVX vector

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** CXCR4

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry ice

## Related tools

**Related tools:**

# References

References:

CancerTools.org