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# Product Sheet

## H_CCR6 BAF3 Cell Line

Catalog number: GM-C48409

Version 4.0.26.1021

## Specifications

| | |
|---|---|
| **Description** | H_CCR6 BAF3 Cell Line is a clonal stable BAF3 cell line that constitutively expresses the human CCR6 gene, constructed using lentiviral technology. |
| **Quantity** | 5E6 Cells per vial,1 mL |
| **Product Format** | 1 vial of frozen cells |
| **Shipping** | Shipped on dry ice |
| **Storage Conditions** | Liquid nitrogen immediately upon receipt |
| **Target** | H_CCR6 |
| **Gene ID/Uniprot ID** | P51684 1998-07-15 v2 |
| **Host Cell** | BAF3 Cell Line |
| **Recovery Medium** | RPMI 1640+10% FBS+1% P.S+8 ng/mL M_IL3 |
| **Growth medium** | RPMI 1640+10% FBS+1% P.S+8 ng/mL M_IL3+0.5 μg/mL Puromycin |
| **Note** | None |
| **Freezing Medium** | 90% FBS+10% DMSO |
| **Growth properties** | Suspension |
| **Growth Conditions** | 37°C, 5% $CO_2$ |
| **Mycoplasma Testing** | The cell line has been screened to confirm the absence of Mycoplasma species. |
| **Safety considerations** | Biosafety Level 2 |
| **Note** | It is recommended to expand the cell culture and store a minimum of 10 vials at an early passage for potential future use. |

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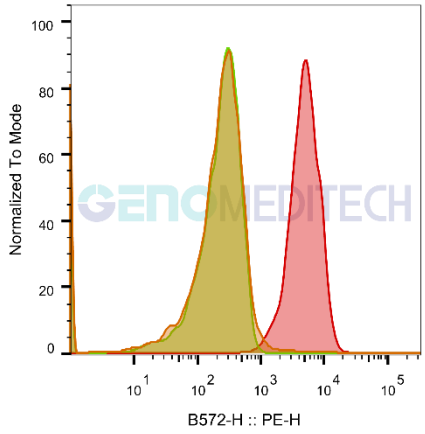
## Materials

| Reagent | Manufacturer/Catalogue No. |
|---|---|
| RPMI 1640 | gibco/C11875500BT |
| Fetal Bovine Serum | ExCell/FSP500 |
| Pen/Strep | Thermo/15140-122 |
| Puromycin | Genomeditech/GM-040401 |
| Recombinant Mouse IL-3 (C-6His) | Novoprotein/CP39 |
| Human/Mouse CCR6 PE-conjugated Antibody | R&D Systems/FAB590P |
| Countess 3 Automated Cell Counter | ThermoFisher/A49891 |
| NovoCyte Flow Cytometer | Agilent/NovoCyte 2060R |

## Data

### Expression




| | SampleID | Geometric Mean : B572-H |
|---|---|---|
| | BAF3 Human/Mouse CCR6 PE-conjugated Ab | 166 |
| | BAF3 H_CCR6 PE M_IgG Ab | 165 |
| | BAF3 H_CCR6 Human/Mouse CCR6 PE-conjugated Ab | 4735 |

H_CCR6 BAF3 Cell Line (Cat. GM-C48409) was determined by flow cytometry using Human/Mouse CCR6 PE-conjugated Antibody (R&D Systems/FAB195P-025).

## Cell Recovery

Recovery Medium: RPMI 1640+10% FBS+1% P.S+8 ng/mL M_IL3

To insure the highest level of viability, thaw the vial and initiate the culture as soon as possible upon receipt. If upon arrival, continued storage of the frozen culture is necessary, it should be stored in liquid nitrogen vapor phase and not at -70°C. Storage at -70°C will result in loss of viability.

a) Thaw the vial by gentle agitation in a 37°C water bath. To reduce the possibility of contamination, keep the O-ring and cap out of the water. Thawing should be rapid (approximately 2 - 3 minutes).
b) Remove the vial from the water bath as soon as the contents are thawed, and decontaminate by dipping in or spraying with 70% ethanol. All of the operations from this point on should be carried out under strict aseptic conditions.
c) Transfer the vial contents to a centrifuge tube containing 5.0 mL complete culture medium. And spin at approximately 176 x g for 5 minutes.Discard supernatant.
d) Resuspend cell pellet with the recommended complete medium. And dispense the suspension into 1-2 T-25 culture flasks.
e) Incubate the culture at 37°C in a suitable incubator. A 5% $CO_2$ in air atmosphere is recommended if using the medium described on this product sheet.

## Cell Freezing

Freezing Medium: 90% FBS+10% DMSO

a) Centrifuge at 176 x g for 3 minutes to collect cells.
b) Resuspend the cells in pre-cooled freezing medium and adjust the cell density to 5E6 cells/mL.
c) Aliquot 1 mL into each vial.
d) Place the vials in a controlled-rate freezing container and store at -80°C for at least 1 day, then transfer to liquid nitrogen as soon as possible.

## Cell passage

Growth medium: RPMI 1640+10% FBS+1% P.S+8 ng/mL M_IL3+0.5 μg/mL Puromycin

Approximately 48-72 hours after the initial thawing, the cells can be passaged for the first time. After this initial passage, the culture medium can be adjusted to growth medium supplemented with antibiotics. If cells are not passaged within 48 hours, it is recommended to add some fresh recovery medium and place the flask horizontally.

a) When the cell density reaches 1 - 1.2E6 cells/mL, subculture the cells. Do not allow the cell density to exceed 1.4E6 cells/mL.
b) It is recommended to use T-25 flasks for subculturing.
c) These cells are suspension cells, and it is recommended to use the "half-medium change" method to maintain optimal cell conditions during passaging.
d) During passaging, you can directly add fresh growth medium to the culture flask, gently pipette to resuspend the cells, and then transfer the cell suspension to a new T-25 flask for continued culture.

Subcultivation Ratio: Maintain cultures at a cell concentraion between 3E5 and 1E6 viable cells/mL.

Medium Renewal: Every 2 to 3 days

## Notes

a) These cells are sensitive to density, so please ensure that the cell density is maintained within an appropriate range during culture and subculturing.

b) During the first passage, pay attention to the nutrient supply; if not subculturing, make sure to add fresh recovery medium every other day as needed.

## Sequence

H_CCR6(Codon opt) P51684 1998-07-15 v2

MSGESMNFSDVFDSSEDYFVSVNTSYYSVDSEMLLCSLQEVRQFSRLFVPIAYSLICVFGLLGNILVVITFAFYKK
ARSMTDVYLLNMAIADILFVLTLPFWAVSHATGAWVFSNATCKLLKGIYAINFNCGMLLLTCISMDRYIAIVQAT
KSFRLRSRTLPRSKIICLVVWGLSVIISSSTFVFNQKYNTQGSDVCEPKYQTVSEPIRWKLLMLGLELLFGFFIPLMF
MIFCYTFIVKTLVQAQNSKRHKAIRVIIAVVLVFLACQIPHNMVLLVTAANLGKMNRSCQSEKLIGYTKTVTEVL
AFLHCCLNPVLYAFIGQKFRNYFLKILKDLWCVRRKYKSSGFSCAGRYSENISRQTSETADNDNASSFTM

## Related Products

| CCR6 | |
|---|---|
| H_CCR6 Reporter CHO-K1 Cell Line | Cynomolgus_CCR6 CHO-K1 Cell Line |
| H_CCR6 CHO-K1 Cell Line | H_CCR6 HEK-293 Cell Line(High Expression) |
| H_CCR6 HEK-293 Cell Line(Low Expression) | Mouse_CCR6 HEK-293 Cell Line |

## License Agreement

By purchasing and using this cell line product, the user voluntarily agrees to accept and abide by the following policies:

- This cell line product is restricted to research use only and shall not be used for any commercial purposes.
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