

CHO-HER2 | 305413H

Description

CHO-HER2 1 85,000 HER2 CHO HER2

Organism

Tissue

Disease Chinese hamster ovary, non-neoplastic; genetically engineered for HER2 (ErbB2/CD340) surface expression (high expression level)

Applications Antibody screening; ADCC/CDC assays; HER2-targeted therapy development; breast/gastric cancer research; flow cytometry

Synonyms CHO-HER2

Age

Gender

Morphology

Cell type Epithelial cells

Growth properties

Citation CHO-HER2 High (Cytion 305413H)

Biosafety level 1

NCBI_TaxID 10029

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CellosaurusAccession CVCL_A8W6

GMO Status GMO-S1: This CHO cell line contains a construct enabling high-level expression of human HER2 for oncology and receptor-signaling studies. This classification applies only within Germany and may differ elsewhere.

Receptors expressed HER2

Culture Medium DMEM:Ham's F12 (1:1) w:3.1 g/L Glucose w:2.5 mM L-Glutamine w:15 mM HEPES w:0.5 mM Sodium pyruvate w:1.2 g/L NaHCO₃ Cytion 820400a CHO A InSCREENeX InSCREENeX INS-ME-1039

Supplements 5 FBS 0.5 mg/mL Geneticin G418-Sulfat

Dissociation Reagent -EDTA

Doubling time approx. 14-16 hours

Subculturing PBS PBS Trypsin/EDTA T25

Split ratio 1 to 5

Seeding density 2 to 5 x 10⁴ cells/cm²

Fluid renewal 2 3

Post-Thaw Recovery T25 1:2 1:3 24

Freeze medium FBS 10 DMSO

CM-1 C

Product sheet

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Thawing and
Culturing Cells

1.
2. -150 3
3. 37 40 60
4. 70
5. 8ml 15ml
6. 300 x g 3
7. 10ml 2 T25
8.

Incubation
Atmosphere

37°C, 5% CO₂, humidified atmosphere.

Shipping
Conditions

Cryopreserved cell lines are shipped on dry ice in validated, insulated packaging with sufficient refrigerant to maintain approximately -78 °C throughout transit. On receipt, inspect the container immediately and transfer vials without delay to appropriate storage.

Storage
Conditions

For long-term preservation, place vials in vapor-phase liquid nitrogen at about -150 to -196 °C. Storage at -80 °C is acceptable only as a short interim step before transfer to liquid nitrogen.

Sterility

PCR