

NHE-1 expressing PS120 cell line

Catalogue number: 156412

Sub-type:

Images:

Contributor

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Institute: Johns Hopkins University

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: NHE-1 expressing PS120 cell line

Alternate name:

Class:

Conjugate:

Description: An isoform of the Na⁺/H⁺ exchanger, NHE-1, has been cloned, sequenced and stably expressed in PS120 fibroblast cells. PS120 being a Na⁺/H⁺ exchanger deficient derivative of the CCL39 cell line, poses no background in experimental studies. The NHE cDNA was cloned and sequenced from a rabbit ileal villus cell cDNA library. The cells were then stably transfected using double selection with G418 and acid selection. The Na⁺/H⁺ exchange activity of these cells were proven using fluorescence measurement using a pH sensitive dye. These cells are ideal for the Na⁺/H⁺ exchanger functional studies as well as drug effect studies with null background. Additional advantages include: NHE-1 aids in the development of treatment for cardiac ischemia

Purpose:

Parental cell: CCL39

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Na⁺/H⁺ exchanger

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: Musialik et al. 2013. Oncol Rep. 29(5):1789-96. PMID: 23467722. ; Isaacs et al. 1986. Prostate. 9(3):261-81. PMID: 3774632.

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