Mrp2 Knock Out Mouse

Catalogue number: 153414
Sub-type: Mouse
Images:

Contributor

Inventor: Alfred Schinkel
Institute: Netherlands Cancer Institute
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Mrp2 Knock Out Mouse

Alternate name: Multidrug resistance-associated protein 2, MRP2, cMOAT, ABCC2

Class:
Conjugate:
Description: Multidrug resistance associated protein 2 is a member of the super family of ATP-binding cassette (ABC) transporters. These proteins are involved in transport of various molecules across extra and intracellular membranes.
Purpose:
Parental cell:
Organism:
Tissue:
Model: Conditional KO
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details: The model was created by targeting the Abcc2 gene in 129/Ola-derived E14 ES cells and injecting the targeted cells into C57BL/6 blastocysts. Resultant chimeras were backcrossed to FVB/N for seven generations.
Formulation:
Recommended controls:

Bacterial resistance:
Selectable markers:
Additional notes: This strain encodes a disruption of the Abcc2 gene which codes for multidrug resistance protein 2. Useful for the examination of compound uptake and elimination mechanisms as well as studies on drug resistance in tumors. The Mrp2 mouse was developed in the laboratory of Alfred Schinkel of the Netherlands Cancer Institute.

Target details

Target: Abcc2 gene

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application: Useful for the examination of compound uptake and elimination mechanisms as well as studies on drug resistance in tumors.
Application notes:

Handling

Format:
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Embryo/Spermatoza- Dry Ice

Related tools

Related tools: Mdr1a/b-Bcrp Knock Out Mouse

References

References: Satish et al. 2010. Cell Stress Chaperones. 15(6):819-26. PMID: 20393890. ; Cloning and expression of rabbit CCT subunits eta and beta in healing cutaneous wounds. ; Fislov et al. 2010. J Virol. 84(17):8691-9. PMID: 20573828. ; Association of the influenza virus RNA polymerase subunit PB2 with the host chaperonin CCT. ; Satish et al. 2010. PLoS One. 5(4):e10063. PMID: 20442790. ; Chaperonin containing T-complex polypeptide subunit eta (CCT-eta) is a specific regulator of fibroblast motility and contractility.