

DC2.4 | 305515

General information

Description	DC2.4 is a murine dendritic cell line derived from bone marrow of C57BL/6 mice. It is a myeloid cell line that expresses markers of dendritic cells, including CD11b, CD11c, and CD86. DC2.4 cells are used in immunology research to study the interaction between dendritic cells and T cells. They are often used in vitro to study the effects of various stimuli on dendritic cell maturation and function. DC2.4 cells are also used in vivo to study the role of dendritic cells in immune responses.
Organism	Murine
Tissue	Bone marrow
Synonyms	DC 2.4

Characteristics

Breed/Subspecies	C57BL/6
Age	6-8 weeks
Gender	Male
Cell type	Myeloid
Growth properties	Adherent

Identification and safety

Citation	DC2.4 (Cytion 305515)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_J409
GMO Status	GMO-S1: DC2.4 (Cytion 305515) is a myeloid cell line derived from bone marrow of C57BL/6 mice. It is a myeloid cell line that expresses markers of dendritic cells, including CD11b, CD11c, and CD86. DC2.4 cells are used in immunology research to study the interaction between dendritic cells and T cells. They are often used in vitro to study the effects of various stimuli on dendritic cell maturation and function. DC2.4 cells are also used in vivo to study the role of dendritic cells in immune responses.

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Cellular Biology - Cell Culture

Viruses	Adenovirus, Adenovirus J2
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Media

Culture Medium	RPMI 1640, w: 2.0 mM NaH_2PO_4 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)
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Supplements	10% FBS, 1% NEAA, 10 mM HEPES
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Dissociation Reagent	Trypsin
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Subculturing	Cells are grown in 25 cm ² flasks in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4 . Cells are grown to confluence and then passaged into 96-well plates. Cells are grown in 96-well plates in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4 .
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Freeze medium	Cells are grown in 25 cm ² flasks in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4 . Cells are grown to confluence and then passaged into 96-well plates. Cells are grown in 96-well plates in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4 .
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Thawing and Culturing Cells	1. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. Cells are grown to confluence and then passaged into 96-well plates. Cells are grown in 96-well plates in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. 2. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. Cells are grown to confluence and then passaged into 96-well plates. Cells are grown in 96-well plates in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. 3. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. Cells are grown to confluence and then passaged into 96-well plates. Cells are grown in 96-well plates in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. 4. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. Cells are grown to confluence and then passaged into 96-well plates. Cells are grown in 96-well plates in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. 5. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. Cells are grown to confluence and then passaged into 96-well plates. Cells are grown in 96-well plates in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. 6. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. Cells are grown to confluence and then passaged into 96-well plates. Cells are grown in 96-well plates in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. 7. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. Cells are grown to confluence and then passaged into 96-well plates. Cells are grown in 96-well plates in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. 8. Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4. Cells are grown to confluence and then passaged into 96-well plates. Cells are grown in 96-well plates in RPMI 1640 medium supplemented with 10% FBS, 1% NEAA, 10 mM HEPES, and 2 mM NaH_2PO_4.
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Incubation Atmosphere	37°C, 5% CO_2 , humidified
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[illegible]

-78°C

 -78°C

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