Anti-CD3 mAb (GMP)
GMP grade anti-CD3 monoclonal antibody
(Clone OKT3)

Code No. T210
Size: 1.0 mg/1.0 ml
Shipping at −80°C
Store at or below −30°C

Expiry Date: As indicated on the vial label

Description:
Anti-CD3 antibody is used in proliferating T lymphocytes. Among many clones, the clone "OKT3" (isotype: mouse IgG2a) is most popularly used. Anti-CD3 mAb (GMP) is manufactured as a quality-assured product, according to relevant guidelines for Good Manufacturing Practice (GMP). This product can be used for ex vivo cell culture processing and is limited to investigational use only.

Source:
Mouse hybridoma cells

Purity:
>95% by HPLC

Form:
Sterilized solution in Phosphate-buffered saline (PBS), pH7.4, with 200 ppm polysorbate 80.

Packaging:
1.0 mg protein/1.0 ml in a 2 ml cryovial

Applications:
- CIK (Cytokine-induced Killer) cells expansion by stimulation with Anti-CD3 mAb (GMP) and cytokine.
- Co-stimulatory effect of Anti-CD3 mAb (GMP) and RetroNectin® in T-lymphocyte expansion.

Instructions for use:
1) Protocol for immobilization
Anti-CD3 mAb (GMP) is coated on the surface of containers such as culture dishes, petri dishes, flasks or bags (e.g. CultiLife™ 215 Culture bag (Cat. #KB0005) or other gas-permeable bags which are capable of coating anti-CD3 mAb) at a concentration of 5 - 10 μg/ml to cover the surface at 1 - 2 μg/cm².

1. Prior to coating, adjust Anti-CD3 mAb (GMP) solution to a desired concentration (ranging 5 - 10 μg protein/ml) by diluting with sterilized phosphate buffered saline (PBS).
2. Dispense an appropriate volume of sterile Anti-CD3 mAb (GMP) solution to each surface, and stand for 2 hours or more at room temperature or 4℃ for overnight.
3. Remove Anti-CD3 mAb (GMP) solution and then add wash solution (e.g. PBS).
4. Remove the wash solution, now the surface has been coated with Anti-CD3 mAb (GMP) and is ready for use.

2) Protocol for solubilized stimulation
Anti-CD3 mAb (GMP) is added to the initial culture directly at a concentration of 50 - 100 ng/ml.

Precautions:
- Work under sterile conditions.
- Once thawed, use the thawed solution for a necessary quantity and discard any unused solution.

[Note]
The thawed solution is stable at 3 days at room temperature and freeze-thaw cycles can be repeated within a few times.
But do not attempt to use it, except for under user’s own responsibility.
Performance of this product can’t be guaranteed after the storage at room temperature or freeze-thaw cycles.

Quality statement:
1. Anti-CD3 mAb (GMP) is manufactured according to relevant GMP guidelines.
2. No animal- or human- derived components were used for manufacture of this product.
3. This product is for research use and ex vivo cell culture processing only. Not intended for human in vivo applications. Do not inject or infuse this product directly into a patient.
Note
This product is not intended for human in vivo applications. It is the end user’s responsibility to ensure that the final product meets the requirements of the application for which it is to be used. This products may not be resold or transferred, modified for resale or transfer without written approval from TAKARA BIO INC. If you require licenses for other use, please contact us by phone at +81 77 543 7247 or from our website at http://www.takara-bio.com/. All trademarks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions.

References:

Related Product:
• RetroNectin® (GMP) (Cat. #T201)

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