

Certificate of Analysis

Product name/description :

Anti-CD3 mAb (GMP)

Code No : T210

Size : 1.0 mg/1.0mL

Lot No : YACK 11

Storage Condition : 2-8 degrees C

Shipping Condition : 2-8 degrees C

Expiration Date : June 07, 2014

Quality Control Data :

Test items	Specifications	Results
1) Sterility Testing	Negative	Negative
2) Mycoplasma	Negative	Negative
3) Endotoxin	< 5 EU/mL	< 0.1 EU/mL
4) <i>In vitro</i> virus assay	Negative	Negative
5) Isotype	IgG2a	IgG2a
6) Isoelectric focusing (IEF)	conform to the control	Pass
7) Protein Content	1.0 ± 0.2 mg/mL	0.96 mg/mL
8) SDS-PAGE	conform to the control	conform to the control
9) Purity (SEC - HPLC)	≥ 95 % (monomer + dimer)	≥ 99.9 %
10) Immnoreactivity	conform to the control	Pass
11) Host cell DNA	< 10 ng/mL	< 3 ng/mL

It is certified that this product meets above specifications.

Approved By :

Manager, Quality Assurance
 TAKARA BIO INC.

Notice To Purchaser :

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 product may not be resold or transferred, modified for resale or transfer without written approval from TAKARA BIO INC.

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Country of origin : China