



CERTIFICATE OF MATERIAL ORIGIN

Date: 10/27/2017

Revision: 02

Product: CD164, Human, Solution

Supplier	Advanced BioMatrix, Inc.
Supplier Catalog No.	5100
Supplier Location	California, USA
Name/Grade	CD164, Human, Solution, 0.5 mg/ml
Animal Origin (including human)	
-Animal Species	Not applicable
-Tissue Origin	Not applicable
-County of Origin	Not applicable
Non-animal Source of Origin	
-Country of Origin	United States
Animal Origin Material Adventitious Agent Risk Reduction Steps	Not applicable
Method of Manufacturing	Recombinant and protein expression
Briefly describe Method of Manufacturing	Full-length of human CD164 extracellular domain cDNA (24 – 162 aa) was constructed with 29 N-terminal T7/His tag and expressed in E. coli as inclusion bodies. The final product was refolded using a unique “temperature shift inclusion body refolding” technology and chromatographically purified.

The above information has been completed by an authorized representative of management and is complete and correct to my knowledge.

President

October 27, 2017

Corporate Headquarters
P.O. Box 502403
San Diego, CA 92150-2403

(800) 883-8220 (760) 929-0755
(510) 217-3452 Fax
www.advancedbiomatrix.com

Manufacturing Facility
5930 Sea Lion Place, Ste. 100
Carlsbad, CA 92010