

Datasheet: MCA2692A700

BATCH NUMBER 154858

Description:	HUMAN LINEAGE COCKTAIL:Alexa Fluor® 700
Specificity:	LINEAGE COCKTAIL
Format:	ALEXA FLUOR® 700
Product Type:	Monoclonal Antibody Panel
Clone:	UCHT1 / TUK4 / DJ130c / LT19 / 2H7 / 123C3
Isotype:	Cocktail
Quantity:	100 TESTS/1ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Antibody Isotypes	IgG1/IgG2a/IgG1/IgG1/IgG2b/IgG1		
Target Species	Human		
Product Form	Purified IgG conjugated to Alexa Fluor® 700 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®700	702	723
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin		

Approx. Protein Concentrations	IgG concentration 0.05 mg/ml
RRID	AB_915435
Specificity	<p>Human Lineage Cocktail:Alexa Fluor® 700 is a cocktail of antibodies recognising all leucocytes in human peripheral blood, with the exception of dendritic cells and basophils. Dendritic cells in peripheral blood are characterised by the phenotype HLA-DR+ve, Lineage Cocktail -ve. Basophils are HLA-DR -ve. Human Lineage Cocktail:Alexa Fluor® 700 may therefore be used in combination with HLA-DR specific antibodies (e.g. MCA1879PE) to identify peripheral blood dendritic cells.</p> <p>The individual antibodies in this cocktail are specific for cell subsets as follows:-</p> <ul style="list-style-type: none"> CD3 T lymphocytes CD14 Monocytes CD16 NK cells, granulocytes CD19 B lymphocytes CD20 B lymphocytes CD56 NK cells
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
References	1. Tjomsland, V. <i>et al.</i> (2010) Semi mature blood dendritic cells exist in patients with ductal pancreatic adenocarcinoma owing to inflammatory factors released from the tumor. PloS One 5: e13441.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Acknowledgements	This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com
Health And Safety	Material Safety Datasheet documentation #10041 available at:

Information <https://www.bio-rad-antibodies.com/SDS/MCA2692A700>
10041

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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