

Datasheet: MCA2692A700

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	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein	IgG concentration 0.05 mg/ml		

Concentrations

RRID AB_915435

Specificity **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.

The individual antibodies in this cocktail are specific for cell subsets as follows:-

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. *et al.* (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.](#)
2. Ramwadhoebe, T.H. *et al.* (2019) Myeloid Dendritic Cells Are Enriched in Lymph Node Tissue of Early Rheumatoid Arthritis Patients but not in At Risk Individuals. [Cells. 8 \(7\): 756.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee 12 months from date of despatch

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Health And Safety Information Material Safety Datasheet documentation #10041 available at:
<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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