

Datasheet: MCA2692A700T

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|----------------------|--------------------------------------------|
| 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: | 25 TESTS/0.25ml |

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 0.05mg/ml | | |

Concentrations

RRID AB_1102726

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](#).

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: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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

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