

## PRODUCT INFORMATION SHEET

### Monoclonal antibodies detecting human antigens

#### Anti-HLA-DR+DP

PURE	<span style="border: 1px solid black; padding: 2px;">RUO</span>	<span style="border: 1px solid black; padding: 2px;">REF</span>	IQP-628P	▽ 100 test
FITC	<span style="border: 1px solid black; padding: 2px;">RUO</span>	<span style="border: 1px solid black; padding: 2px;">REF</span>	IQP-628F	▽ 100 test
R-PE	<span style="border: 1px solid black; padding: 2px;">RUO</span>	<span style="border: 1px solid black; padding: 2px;">REF</span>	IQP-628R	▽ 100 test
APC	<span style="border: 1px solid black; padding: 2px;">RUO</span>	<span style="border: 1px solid black; padding: 2px;">REF</span>	IQP-628A	▽ 100 test
Biotin	<span style="border: 1px solid black; padding: 2px;">RUO</span>	<span style="border: 1px solid black; padding: 2px;">REF</span>	IQP-628B	▽ 100 test

RUO **For Research Use Only**



#### Description

##### Clone

MEM-136

##### Isotype

Murine IgG1

##### Specificity

The antibody MEM-136 recognizes common epitope on beta-chain of human HLA-DR and HLA-DP. It reacts with alpha/beta dimer as well as with dissociated beta-subunit. DR and DP are the isotypes of human MHC Class II molecules expressed on antigen-presenting cells (APC; dendritic cells, B lymphocytes, monocytes, macrophages).

##### Species

Human

##### Immunogen

PHA-activated peripheral blood lymphocytes.

##### Applications

FC, IP, WB, IHC(P). Determining optimal working dilutions by titration test.

##### Limitations

1. Conjugates with brighter fluorochromes, like PE and APC, will have a greater separation than those with dyes like FITC and CyQ. When populations overlap, the percentage of positive cells using a selected marker can be affected by the choice of fluorescent label.
2. Use of monoclonal antibodies in patient treatment can interfere with antigen target recognition by this reagent. This should be taken into account when samples are analyzed from patients treated in this fashion. IQ Products has not characterized the effect of the presence of therapeutic antibodies on the performance of this reagent.
3. Reagents can be used in different combinations, therefore laboratories need to become familiar performance characteristics of each antibody in relation with the combined markers in normal and abnormal samples.
4. Reagent performance can be affected by the use of anticoagulants.



#### Handling and Storage

Antibodies are supplied in phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4. Store the vials at 2-8°C. Monoclonal antibodies should be protected from prolonged exposure to light when conjugated with fluorochromes. Reagents are stable for the period shown on the vial label when stored properly.

#### Warranty

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product. IQ Products is not liable for property damage, personal injury, or economic loss caused by the product.

#### Characterization

To ensure consistently high-quality reagents, each batch of monoclonal antibody is tested for conformance with characteristics of a standard reagent.

#### Warning












All products contain sodiumazide. This chemical is poisonous and hazardous. Handling should be done by trained staff only.

---

## References

1. Koch C, Staffler G, Huttinger R, Hilgert I, Prager E, Cerny J, Steinlein P, Majdic O, Horejsi V, Stockinger H: T cell activation-associated epitopes of CD147 in regulation of the T cell response, and their definition by antibody affinity and antigen density. *Int Immunol.* 1999 May;11(5):777-86.
  2. Ohradanova-Repic A, Machacek C, Charvet C, Lager F, Le Roux D, Platzer R, Leksa V, Mitulovic G, Burkard TR, Zlabinger GJ, Fischer MB, Feuillet V, Renault G, Blüml S, Benko M, Suchanek M, Huppa JB, Matsuyama T, Cavaco-Paulo A, Bismuth G, Stockinger H: Extracellular Purine Metabolism Is the Switchboard of Immunosuppressive Macrophages and a Novel Target to Treat Diseases With Macrophage Imbalances. *Front Immunol.* 2018 Apr 27;9:852.
- 

## Explanation of used symbols

	Consult instructions for use
	Catalogue number
	Sufficient for
	Caution, consult accompanying document
	Keep away from (sun)light
	Biological risks
	Temperature limitation (°C)
	For Research Use Only
	Batch code
	Use by yyyy-mm-dd
	Manufacturer

---

		<b>Label - tandem<sup>®</sup></b>	<b>Ex -max (nm)</b>	<b>Em -max (nm)</b>
P	PURE	purified material	-	-
F	FITC	FITC	488	519
R	R-PE	PE	488, 532	578
C	CyQ	PE-Cy5.18	488, 532	667
A	APC		595, 633, 635, 647	660
PC	PerCP		488, 532	678
PCC	PerCP-Cy5.5		488, 532	695

---



IQ Products BV  
Rozenburglaan 13a  
9727 DL Groningen, The Netherlands

 +31 (0)50 57 57 000  
 +31 (0)50 57 57 002  
 Technical [marketing@iqproducts.nl](mailto:marketing@iqproducts.nl)  
 Orders [orders@iqproducts.nl](mailto:orders@iqproducts.nl)  
 [www.iqproducts.nl](http://www.iqproducts.nl)

bright fluorescence