abcam

ab326455

APC Anti-IL-2 Receptor alpha antibody [MEM-181]

Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	APC
Excitation/Emission	Ex: 650nm, Em: 660nm
Storage buffer	pH: 7.4 Preservative: 0.098% Sodium azide Constituents: PBS, 0.2% BSA
Form	Liquid
Clonality	Monoclonal
Clone number	MEM-181
Purification technique	Size-exclusion chromatography
Specificity	The antibody MEM-181 reacts with an extracellular epitope of CD25 (Interleukin-2 receptor alpha chain), a 55 kDa type I transmembrane glycoprotein expressed on activated B and T lymphocytes, activated monocytes/macrophages and on CD4+ T lymphocytes (T regulatory cells); it is lost on resting B and T lymphocytes.
Light chain type	kappa
Purification notes	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Target data

See full target information IL2RA

Function	Receptor for interleukin-2. The receptor is involved in the regulation of immune tolerance by controlling regulatory T cells (TREGs) activity. TREGs suppress the activation and expansion of autoreactive T-cells.

Storage

Shipped at conditions	Ambient - Can Ship with Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze, Store in the dark

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

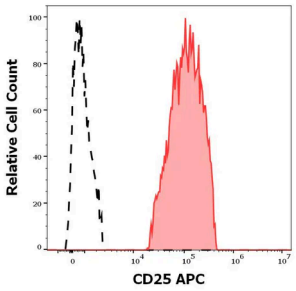
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

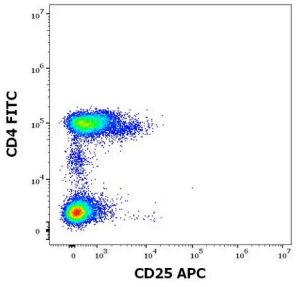
5 product images



Flow Cytometry - APC Anti-IL-2 Receptor alpha antibody [MEM-181] (ab326455)

IL-2 Receptor alpha Flow Cytometry staining of human PHA stimulated peripheral whole blood using mouse Anti-IL-2 Receptor alpha antibody

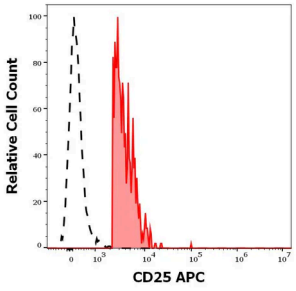
Separation of CD3 positive CD25 positive lymphocytes (red-filled) from CD3 negative CD25 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human PHA stimulated peripheral whole blood stained using ab326455 (concentration in sample 0.5 µg/ml).



Flow Cytometry - APC Anti-IL-2 Receptor alpha antibody [MEM-181] (ab326455)

IL-2 Receptor alpha Flow Cytometry staining of human lymphocytes using mouse Anti-IL-2 Receptor alpha antibody

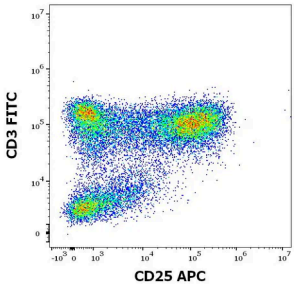
Flow cytometry multicolor surface staining pattern of human lymphocytes using ab326455 (concentration in sample 0.5 µg/ml) and anti-human CD4 (MEM-241) FITC antibody (20 µl reagent / 100 µl of peripheral whole blood).



Flow Cytometry - APC Anti-IL-2 Receptor alpha antibody [MEM-181] (ab326455)

IL-2 Receptor alpha Flow Cytometry staining of human peripheral whole blood using mouse Anti-IL-2 Receptor alpha antibody

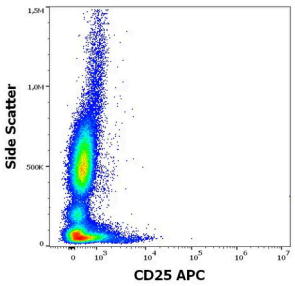
Separation of CD4 positive CD25 positive Treg cells (red-filled) from CD4 negative CD25 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using ab326455 (concentration in sample 0.5 µg/ml).



Flow Cytometry - APC Anti-IL-2 Receptor alpha antibody [MEM-181] (ab326455)

IL-2 Receptor alpha Flow Cytometry staining of human PHA stimulated lymphocytes using mouse Anti-IL-2 Receptor alpha antibody

Flow cytometry multicolor surface staining pattern of human PHA stimulated lymphocytes using ab326455 (concentration in sample 0.5 µg/ml) and anti-human CD3 (UCHT1) FITC antibody (20 µl reagent / 100 µl of peripheral whole blood).



Flow Cytometry - APC Anti-IL-2 Receptor alpha antibody [MEM-181] (ab326455)

IL-2 Receptor alpha Flow Cytometry staining of human peripheral whole blood using mouse Anti-IL-2 Receptor alpha antibody

Flow cytometry surface staining pattern of human peripheral whole blood stained using ab326455 (concentration in sample 0.5 µg/ml).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.