abcam

ab326493

FITC Anti-CD83 antibody [HB15e]

Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	FITC
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	pH: 7.4 Preservative: 0.098% Sodium azide Constituents: PBS, 0.2% BSA
Form	Liquid
Clonality	Monoclonal
Clone number	HB15e
Purification technique	Size-exclusion chromatography
Specificity	The mouse monoclonal antibody HB15e recognizes an extracellular epitope of CD83, a 40-45 kDa type I glycoprotein expressed on mature dendritic cells.
Light chain type	kappa
Purification notes	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) 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 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

Target data

See full target information CD83

Function	Transmembrane glycoprotein predominantly found on the surface of many immune cells including dendritic cells or lymphocytes that plays various roles in immune response regulation. Plays an essential role in CD4(+) T-selection, differentiation and stability by regulating the activity of the major E3 ubiquitin ligase responsible for controlling MHCII trafficking MARCHF8. Also inhibits MARCHF1 association with MHCII or CD86 to prevent their ubiquitination and subsequent degradation (PubMed:21220452). In addition, acts as an important modulator of protective responses against acute infections (By similarity).

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

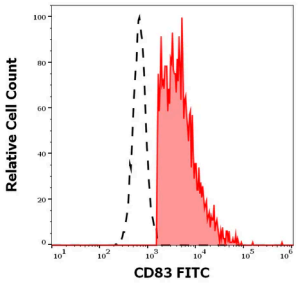
We do not recommend this combination. It is not covered by our product promise.

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.

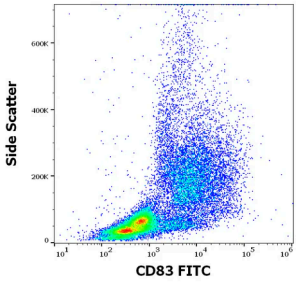
3 product images



Flow Cytometry - FITC Anti-CD83 antibody [HB15e] (ab326493)

CD83 Flow Cytometry staining of human interferon gamma stimulated peripheral blood mononuclear cells using mouse Anti-CD83 antibody

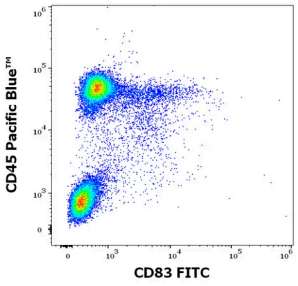
Separation of human CD83 positive lymphocytes (red-filled) from CD83 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human interferon gamma stimulated peripheral blood mononuclear cells stained using ab326493 (concentration in sample 3 µg/ml).



Flow Cytometry - FITC Anti-CD83 antibody [HB15e] (ab326493)

CD83 Flow Cytometry staining of human interferon gamma stimulated peripheral blood mononuclear cells using mouse Anti-CD83 antibody

Flow cytometry surface staining pattern of human interferon gamma stimulated peripheral blood mononuclear cells stained using ab326493 (concentration in sample 3 µg/ml).



Flow Cytometry - FITC Anti-CD83 antibody [HB15e] (ab326493)

CD83 Flow Cytometry staining of human interferon gamma stimulated peripheral blood mononuclear cells using mouse Anti-CD83 antibody

Flow cytometry multicolor surface staining pattern of Side Scatter low events of human interferon gamma stimulated peripheral blood mononuclear cells stained using anti-human CD45 (MEM-28) Pacific Blue™ antibody (4 µl reagent / 100 µl of peripheral whole blood) and ab326493 (concentration in sample 3 µg/ml).

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