abcam

ab123449

FITC Anti-Ctip2 antibody [25B6]

Anti-Ctip2 antibody [25B6] conjugated to FITC - suitable for intracellular flow cytometry, ICC/IF, and reacts with human samples. Clone [25B6] is a rat monoclonal antibody cited in 6 publications.

Key facts

Isotype	IgG2a
Host species	Rat
Conjugation	FITC
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	25B6
Purification technique	Precipitation Ammonium Sulphate
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purity is near homogeneity as judged by SDS-PAGE. ab123449 was produced in vitro using hybridomas grown in serum-free medium, and then concentrated by ammonium sulfate precipitation.

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	0.125-1 µg/mL
Notes	-

Predicted

Species	Mouse, Zebrafish
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	0.125-1 µg/mL
Notes	-

Predicted

Species	Mouse, Zebrafish
Dilution info	-
Notes	-

Target data

See full target information BCL11B

Function Key regulator of both differentiation and survival of T-lymphocytes during thymocyte development in mammals. Essential in controlling the responsiveness of hematopoietic stem cells to chemotactic signals by modulating the expression of the receptors CCR7 and CCR9, which direct the movement of progenitor cells from the bone marrow to the thymus (PubMed:27959755). Is a regulator of IL2 promoter and enhances IL2 expression in activated CD4(+) T-lymphocytes (PubMed:16809611). Tumor-suppressor that represses transcription through direct, TFCOUP2-independent binding to a GC-rich response element (By similarity). May also function in the P53-signaling pathway (By similarity).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Avoid freeze / thaw cycle, Store in the dark

Notes

What is this antibody validated in?
FITC Anti-Ctip2 antibody [25B6] (ab123449) is a rat monoclonal antibody and is validated for use in Flow Cytometry (Intra), Immunocytochemistry/immunofluorescence (ICC/IF) in Human samples.

Related products
Antibody clone 25B6 is also available pre-conjugated to a variety of labels for your convenience – Anti-Ctip2 FITC [25B6] (ab123449).

Other related products
We have a range of other formats of antibody clone [25B6] also available for your convenience: ab18465, FITC - ab123449

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

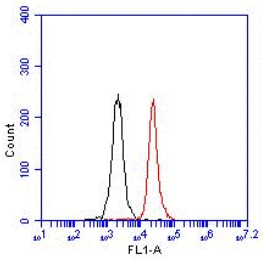
We do not recommend this combination. It is not covered by our product promise.

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.

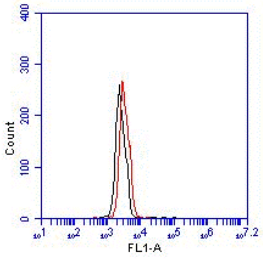
3 product images



Flow Cytometry (Intracellular) - FITC Anti-Ctip2 antibody [25B6] (ab123449)

Ctip2 Flow Cytometry (Intracellular) staining using rat Anti-Ctip2 antibody

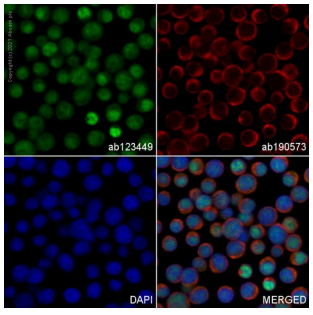
ab123449 at 0.125µg/ml staining Ctip2 in Jurkat cells by Flow Cytometry (red) or an equal amount of an FITC conjugated control antibody (black) in 3% BSA block.The Jurkat cells show a clear CTIP2 specific signal



Flow Cytometry (Intracellular) - FITC Anti-Ctip2 antibody [25B6] (ab123449)

Ctip2 Flow Cytometry (Intracellular) staining using rat Anti-Ctip2 antibody

ab123449 at 0.125µg/ml staining Ctip2 in SH-SY5Y cells by Flow Cytometry (red) or an equal amount of an FITC conjugated control antibody (black) in 3% BSA block. The SH-SY5Y cells do not show significant CTIP2 signal over the negative control signal.



Immunocytochemistry/ Immunofluorescence - FITC Anti-Ctip2 antibody [25B6] (ab123449)

Ctip2 Immunocytochemistry/ Immunofluorescence staining using rat Anti-Ctip2 antibody

ab123449 staining CTIP2 in Jurkat cells. The cells were fixed with 80% methanol (5min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab123449 at 1/100 dilution (shown in green) and ab190573, Rabbit monoclonal to alpha Tubulin (Alexa Fluor® 647), at 1/1000 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).
Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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