abcam

ab279349

Anti-CD30 antibody [SH313-B5] - Human IgG1 (Chimeric) - BSA and Azide free

Recombinant

Key facts

Isotype	IgG1
Host species	Human
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	SH313-B5
Purification technique	Affinity purification Protein A

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	-
Notes	-

Not recommended

Species	Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	-

Not recommended

Species	Mouse, Rat
Dilution info	-
Notes	-

WB

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

Target data

See full target information TNFRSF8

Function	Receptor for TNFSF8/CD30L (PubMed:8391931). May play a role in the regulation of cellular growth and transformation of activated lymphoblasts. Regulates gene expression through activation of NF-kappa-B (PubMed:8999898).

Storage

Shipped at conditions	Blue Ice

Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

This human monoclonal chimeric antibody (ab279349) is the carrier-free version of ab279346.
What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

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

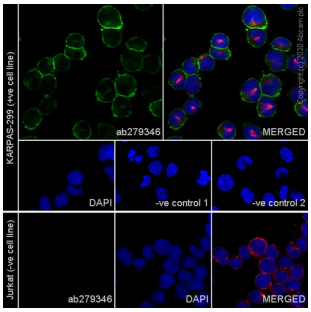
We do not recommend this combination. It is not covered by our product promise.

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



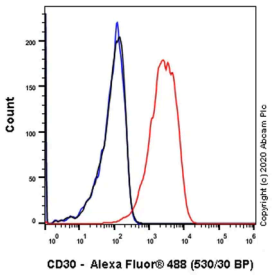
Immunocytochemistry/ Immunofluorescence - Anti-CD30 antibody [SH313-B5] - Human IgG1 (Chimeric) - BSA and Azide free (ab279349)

CD30 Immunocytochemistry/ Immunofluorescence staining using human Anti-CD30 antibody

This data was developed using ab279346 the same antibody clone in a different buffer formulation.
Immunocytochemical analysis of 100% methanol-fixed, 0.1% TritonX-100 permeabilized KARPAS-299 cells labelling CD30 with ab279346 at 1/50 (22.74 µg/ml) dilution, followed by ab150113 Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing membranous staining in KARPAS-299 cell line. ab179513 Anti-beta Tubulin rabbit monoclonal antibody was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

Negative control: Jurkat (PMID: 15920551).

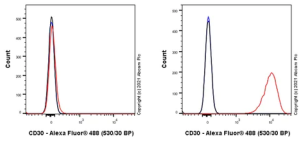
Secondary antibody only control: Secondary antibody is ab150113 Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.



Flow Cytometry - Anti-CD30 antibody [SH313-B5] - Human IgG1 (Chimeric) - BSA and Azide free (ab279349)

CD30 Flow Cytometry staining using human Anti-CD30 antibody

This data was developed using ab279346 the same antibody clone in a different buffer formulation.
Flow cytometric analysis of KARPAS-299 (Human anaplastic large cell lymphoma) cells labelling CD30 with ab279346 at 1/1000 dilution (0.1µg) (Red) compared with a Human IgG (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti human IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody. Gated on viable cells.



Flow Cytometry - Anti-CD30 antibody [SH313-B5] - Human IgG1 (Chimeric) - BSA and Azide free (ab279349)

CD30 Flow Cytometry staining using human Anti-CD30 antibody

This data was developed using ab279346 the same antibody clone in a different buffer formulation.
Flow cytometric analysis of Jurkat (Human T cell leukemia T lymphocyte) (Left) / HDLM-2 (Human Hodgkin lymphoma) (Right) cells labelling CD30 with ab279346 at 1/1000 dilution (0.1µg) (Red) compared with a Human IgG (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti-Human IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody. Gated on viable cells.

Negative control: Jurkat.

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