abcam

ab323702

Anti-TRAIL antibody [EPR28587-33]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR28587-33
Purification technique	Affinity purification Protein A
Concentration	0.492 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt (Intra)

Tested

Species	Transfected cell line - Mouse
Dilution info	1/5000
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt

Tested

Species	Mouse
Dilution info	1/50
Notes	-

Not recommended

Species	Transfected cell line - Mouse
Dilution info	-
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Not recommended

Species	Transfected cell line - Mouse
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Mouse, Transfected cell line - Mouse
Dilution info	-
Notes	-

Target data

See full target information Tnfsf10

Function	Cytokine that binds to TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and possibly also to TNFRSF11B/OPG. Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

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.

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

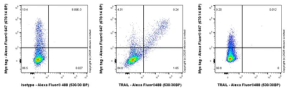
We do not recommend this combination. It is not covered by our product promise.

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.

6 product images



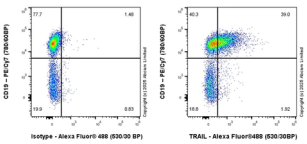
Flow Cytometry (Intracellular) - Anti-TRAIL antibody [EPR28587-33] (ab323702)

TRAIL Flow Cytometry (Intracellular) staining using rabbit Anti-TRAIL antibody

Flow cytometric analysis of 2% paraformaldehyde fixed 0.1% Tween-20 permeabilized Isotype (Left) / 293T (human embryonic kidney epithelial cell) cells transfected with a mouse TRAIL expression vector containing a Myc tag (Middle) /293T cells transfected with an empty expression vector containing a Myc tag (Right) cells labelling TRAIL with ab323702 at 1/5000 dilution (0.01 ug) / Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.

Cells were surface stained with isotype control (ab172730) or ab323702. Then fixed with 2% PFA for 10min followed by intracellularly stained with anti-myc tag conjugated to Alexa Fluor®647.



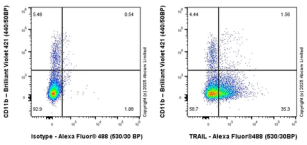
Flow Cytometry - Anti-TRAIL antibody [EPR28587-33] (ab323702)

TRAIL Flow Cytometry staining of Mouse spleen cell using rabbit Anti-TRAIL antibody

Flow cytometric analysis of Mouse spleen cell cells labelling TRAIL with ab323702 at 1/50 dilution (1 ug) / Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.

Mouse spleen cells were co-stained with anti mouse CD19 conjugated to PE/Cy7.
Gated on viable cell.



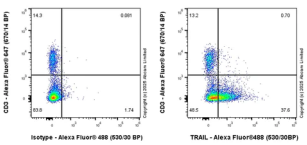
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Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.

Mouse spleen cells were co-stained with anti mouse CD11b conjugated to BV421.
Gated on viable cell.



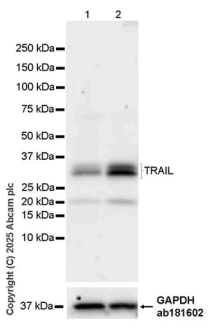
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TRAIL Flow Cytometry staining of Mouse spleen cell using rabbit Anti-TRAIL antibody

Flow cytometric analysis of Mouse spleen cell cells labelling TRAIL with ab323702 at 1/50 dilution (1 ug) / Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.

Mouse spleen cells were co-stained with anti mouse CD3 conjugated to Alexa Fluor®647.
Gated on viable cell.



Western blot - Anti-TRAIL antibody [EPR28587-33] (ab323702)

TRAIL Western blot staining using rabbit Anti-TRAIL antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The expression of TRAIL is induced by LPS treatment (PMID: 9603453).

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) staining at 1/200000 dilution.

All lanes:
Western blot - Anti-TRAIL antibody [EPR28587-33] (ab323702) at 1/1000 dilution

Lane 1:
Untreated mouse lung tissue lysate at 40 µg

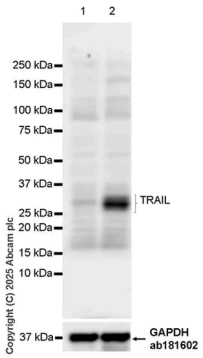
Lane 2:
Mouse lung treated with 1ug/ml LPS and 1ug/ml BFA for 16h whole cell lysate at 40 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 28-30 kDa, 36 kDa

Exposure time: 48s



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TRAIL Western blot staining using rabbit Anti-TRAIL antibody

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In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) staining at 1/200000 dilution.

All lanes:
Western blot - Anti-TRAIL antibody [EPR28587-33] (ab323702) at 1/1000 dilution

Lane 1:
Untreated RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate at 40 µg

Lane 2:
RAW 264.7 treated with 100 ng/ml LPS for 6h and 300ng/ml BFA for 3h whole cell lysate at 40 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Observed band size: 28-30 kDa, 36 kDa

Exposure time: 26s

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