abcam

ab323703

# Anti-TRAIL antibody [EPR28587-33] - BSA and Azide free

Recombinant | RabMAb

## Key facts

| | |
|---|---|
| **Isotype** | IgG |
| **Host species** | Rabbit |
| **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** | EPR28587-33 |
| **Purification technique** | Affinity purification Protein A |
| **Concentration** | 0.983 mg/mL The concentration of this product may be batch-dependent<br>Batch concentration finder → |

## Reactivity data

## Flow Cyt (Intra)

### Tested

| | |
|---|---|
| **Species** | Transfected cell line - Mouse |
| **Dilution info** | - |

| | |
|---|---|
| **Notes** | - |

### Expected

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

## Flow Cyt

### Tested

| | |
|---|---|
| **Species** | Mouse |
| **Dilution info** | - |
| **Notes** | - |

### Not recommended

| | |
|---|---|
| **Species** | Transfected cell line - Mouse |
| **Dilution info** | - |
| **Notes** | - |

## WB

### Tested

| | |
|---|---|
| **Species** | Mouse |
| **Dilution info** | - |
| **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** | Blue Ice |
| **Appropriate short-term storage conditions** | +4°C |
| **Appropriate long-term storage conditions** | +4°C |

## Notes

ab323703 is the carrier-free version of ab323702

**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.

**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.

**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**

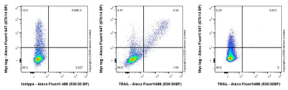
We do not recommend this combination. It is not covered by our product promise.

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.

## 6 product images



### Flow Cytometry (Intracellular) - Anti-TRAIL antibody [EPR28587-33] - BSA and Azide free (ab323703)

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

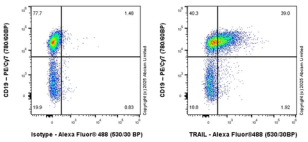
This data was developed using ab323702, the same antibody clone in a different buffer formulation.

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.

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## Flow Cytometry - Anti-TRAIL antibody [EPR28587-33] - BSA and Azide free (ab323703)

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

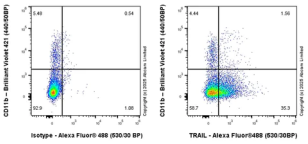
This data was developed using ab323702, the same antibody clone in a different buffer formulation.

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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## Flow Cytometry - Anti-TRAIL antibody [EPR28587-33] - BSA and Azide free (ab323703)

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

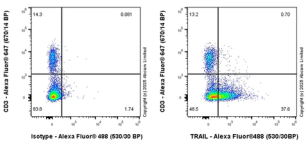
This data was developed using ab323702, the same antibody clone in a different buffer formulation.

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 CD11b conjugated to BV421.
Gated on viable cell.

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## Flow Cytometry - Anti-TRAIL antibody [EPR28587-33] - BSA and Azide free (ab323703)

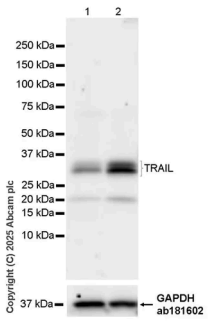
TRAIL Flow Cytometry staining of Mouse spleen cell using rabbit Anti-TRAIL antibody

This data was developed using ab323702, the same antibody clone in a different buffer formulation.

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] - BSA and Azide free (ab323703)

TRAIL Western blot staining using rabbit Anti-TRAIL antibody

This data was developed using ab323702, the same antibody clone in a different buffer formulation.

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

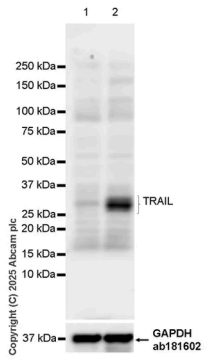
Lane 2:
Mouse lung treated with 1ug/ml LPS and 1ug/ml BFA for 16h whole cell lysate at 40 µg

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




## Western blot - Anti-TRAIL antibody [EPR28587-33] - BSA and Azide free (ab323703)

TRAIL Western blot staining using rabbit Anti-TRAIL antibody

This data was developed using ab323702, the same antibody clone in a different buffer formulation.

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 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

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