

Datasheet for ABIN7661227  
**anti-TNFRSF4 antibody (CF®488A)**



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## Overview

|              |                                                                                                  |
|--------------|--------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                           |
| Target:      | TNFRSF4                                                                                          |
| Reactivity:  | Mouse                                                                                            |
| Host:        | Rat                                                                                              |
| Clonality:   | Monoclonal                                                                                       |
| Conjugate:   | This TNFRSF4 antibody is conjugated to CF®488A                                                   |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Functional Studies (Func) |

## Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Purpose:         | CD134, Mouse (OX40)(OX-86), CF488A conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen:       | Purified recombinant Mouse OX-40 antigen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Clone:           | OX-86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Isotype:         | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Characteristics: | CD134 is a type I integral membrane protein. This receptor is expressed on activated CD4 and CD8 T cells and B cells. The CD134 binds to CD134 ligand (CD252) to provide a costimulatory signal that is independent of CD28. CD134 is involved in coordinating CD4 T cell selection, migration and cytokine differentiation in T helper (Th)1 and Th2 cells. CD134 is also involved in the stimulation of T cells, T dependent humoral response and generation of optimal CD4 T cell responses in vivo and in vitro. CD134 is expressed on activated CD4 T lymphocytes, and its ligand, CD134L, is found preferentially on activated B cells. Engagement of CD134 with its |

## Product Details

ligand, CD134L, delivers a strong costimulatory signal to effector T cells. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | TNFRSF4                                                                                                                                                                                                                                                                      |
| Alternative Name: | CD134                                                                                                                                                                                                                                                                        |
| Background:       | Synonyms: CD134, IMD16, Lymphoid activation antigen (ACT35), OX40 cell surface antigen, OX40L receptor, TAX transcriptionally activated glycoprotein 1 receptor, Tumor necrosis factor receptor superfamily member 4 (TNFRSF4), Txgp1l<br>Tissue Expression: B-cells T-cells |
| Molecular Weight: | ~50 kDa                                                                                                                                                                                                                                                                      |
| Gene ID:          | 22163                                                                                                                                                                                                                                                                        |
| UniProt:          | <a href="#">P47741</a>                                                                                                                                                                                                                                                       |
| Pathways:         | <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Cancer Immune Checkpoints</a>                                                                                                                                                              |

## Application Details

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|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Comment:           | Positive Control: MPBMC . Spleen, Thymus or Lymph Node.            |
| Restrictions:      | For Research Use only                                              |

## Handling

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Format:            | Liquid                                                                        |
| Concentration:     | 0.1 mg/mL                                                                     |
| Buffer:            | PBS, 0.1 % BSA, 0.05 % azide                                                  |
| Preservative:      | Sodium azide                                                                  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |

## Handling

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should be handled by trained staff only.

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| Handling Advice: | Protect from light |
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| Storage: | 4 °C |
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| Storage Comment: | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
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| Expiry Date: | 24 months |
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