

For Research Use Only

# CoraLite® Plus 488 Anti-Mouse CD134 (OX-86)



Catalog Number: **CL488-65136**

## Basic Information

<b>Catalog Number:</b> CL488-65136	<b>GenBank Accession Number:</b> BC065782	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 22163	<b>CloneNo.:</b> OX-86
<b>Source:</b> Rat	<b>Full Name:</b> tumor necrosis factor receptor superfamily, member 4	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1, kappa		

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Mouse

## Background Information

CD134, also known as OX40 and TNFRSF4, is a member of the TNFR-superfamily of receptors (PMID: 2828930; 9766631). It is a type I transmembrane protein predominantly expressed on activated T cells which include CD4 and CD8 T cells, Th2, Th1, and Th17 cells, as well as regulatory T cells (Tregs) (PMID: 20307208). CD134 is activated by its cognate ligand CD134L (OX40L) and functions as a T cell co-stimulatory molecule (PMID: 26215166). CD134-CD134L interactions have been proposed as a potential therapeutic target for treating autoimmune diseases, cancer and infectious disease (PMID: 26215166; 19426222).

## Storage

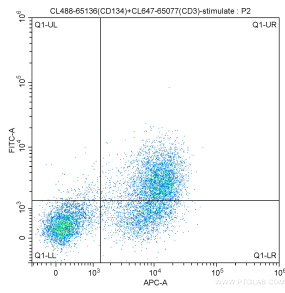
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

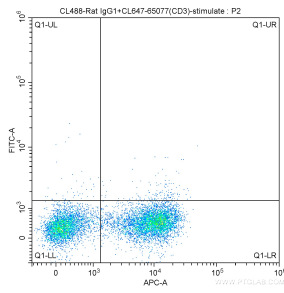
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> Con A-stimulated (3 ug/ml, 2 days) BALB/c mouse splenocytes were surface stained with CoraLite® Plus 647-Conjugated Anti-Mouse CD3 (CL647-65077, Clone: 17A2) and 5 ul CoraLite® Plus 488 Anti-Mouse CD134 (CL488-65136, Clone: OX-86). Cells were not fixed.



1X10<sup>6</sup> Con A-stimulated (3 ug/ml, 2 days) BALB/c mouse splenocytes were surface stained with CoraLite® Plus 647-Conjugated Anti-Mouse CD3 (CL647-65077, Clone: 17A2) and CoraLite® Plus 488-Rat IgG1 isotype control. Cells were not fixed.