

For Research Use Only

# CoraLite®594 Anti-Rat CD86 (24F)

Catalog Number:CL594-65224



## Basic Information

<b>Catalog Number:</b> CL594-65224	<b>GenBank Accession Number:</b> NM_020081	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug , 500 µg/ml	<b>GeneID (NCBI):</b> 56822	<b>CloneNo.:</b> 24F
<b>Source:</b> Mouse	<b>Full Name:</b> CD86 molecule	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG1, kappa	<b>Calculated MW:</b> 36 kDa	

## Applications

**Tested Applications:**  
FC  
**Species Specificity:**  
Rat

## Background Information

CD86 (also known as B7.2) is a costimulatory molecule belonging to the immunoglobulin superfamily. Primarily expressed on antigen-presenting cells (APCs), including B cells, dendritic cells, and macrophages, CD86 is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of CD86 with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of CD86 with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response.

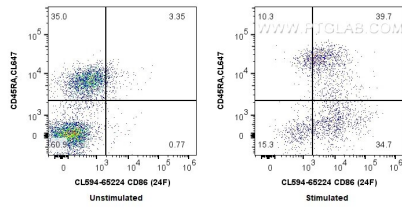
## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide.

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  
W: 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> unstimulated or LPS-stimulated (5 ug/mL, 3 days) rat splenocytes were surface co-stained with 0.5 ug CoraLite® Plus 647 Anti-Rat CD45RA (OX-33) and 0.5 ug CoraLite® 594 Anti-Rat CD86 (CL594-65224, Clone: 24F). Cells were not fixed.