

For Research Use Only

CoraLite® Plus 488 Anti-Human CD27 Rabbit scFv Antibody

Catalog Number: CL488-SF98346-3



Basic Information

Catalog Number:
CL488-SF98346-3

Source:
Rabbit

Type:
scFv

Immunogen Catalog Number:
EG1644

GenBank Accession Number:
BC012160

GeneID (NCBI):
939

ENSEMBL Gene ID:
ENSG00000139193

Full Name:
CD27 molecule

Calculated MW:
29 kDa

Purification Method:
Affinity purification

CloneNo.:
242731G8

Recommended Dilutions:
FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human PBMCs,

Background Information

CD27 (also known as TNFRSF7) is a type I glycoprotein expressed on some B cells and the majority of T cells, and is a member of the tumor necrosis factor (TNF) receptor family. CD27 is required for generation and long-term maintenance of T cell immunity (PMID: 11062504). It is a receptor for CD70 (CD27L). Ligation of CD27 by CD70 induces strong ubiquitination of TRAF and the activation of both canonical and non-canonical NF-kappaB pathways, as well as the JNK pathway (PMID: 19426224). CD27 may also play a role in apoptosis through association with SIVA1.

Storage

Storage:

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

Storage Buffer:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

For technical support and original validation data for this product please contact:

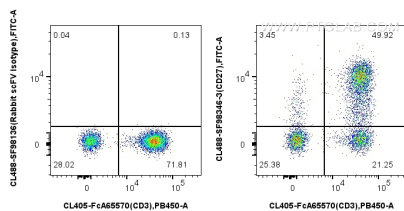
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with FcZero-rAb® CoraLite® Plus 405 Anti-Human CD3 (UCHT1), and 0.25 ug CoraLite® Plus 488 Cd27 Recombinant Antibody (CL488-SF98346-3, Clone:242731G8) or 0.25 ug CoraLite® Plus 488 Rabbit scFv Isotype Control (CL488-SF98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.