

Product datasheet

Anti-CD86 antibody [BU63] (PE) ab77226

4 References 2 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-CD86 antibody [BU63] (PE) |
| Description | Mouse monoclonal [BU63] to CD86 (PE) |
| Host species | Mouse |
| Conjugation | PE. Ex: 488nm, Em: 575nm |
| Specificity | ab77226 reacts with CD86 expressed on professional antigen-presenting cells, such as dendritic cells, macrophages or activated B lymphocytes. |
| Tested applications | Suitable for: Flow Cyt |
| Species reactivity | Reacts with: Human |
| Immunogen | B-lymphoblastoid cell line ARH 77 |
| General notes | The antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. |
| Storage buffer | pH: 7.4 Preservative: 0.097% Sodium azide Constituents: 0.2% BSA, PBS |
| Purity | Size exclusion |
| Purification notes | The conjugate is purified by size-exclusion chromatography and adjusted for direct use. |
| Clonality | Monoclonal |
| Clone number | BU63 |
| Isotype | IgG1 |

Applications

Our [Abpromise guarantee](#) covers the use of **ab77226** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|-------|
|-------------|-----------|-------|

Flow Cyt

Application notes

Flow Cyt: The reagent is designed for Flow Cytometry analysis of human blood cells
Use 20 µl/100 µl of whole blood or 10⁶ cells in a suspension.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation. Isoform 2 interferes with the formation of CD86 clusters, and thus acts as a negative regulator of T-cell activation.

Tissue specificity

Expressed by activated B-lymphocytes and monocytes.

Sequence similarities

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

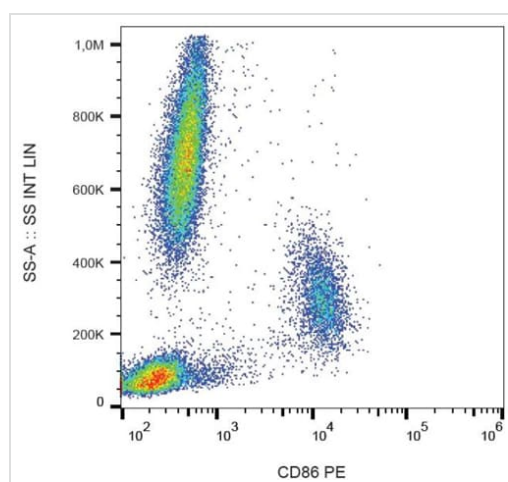
Post-translational modifications

Polyubiquitinated; which is promoted by MARCH8 and results in endocytosis and lysosomal degradation.

Cellular localization

Membrane.

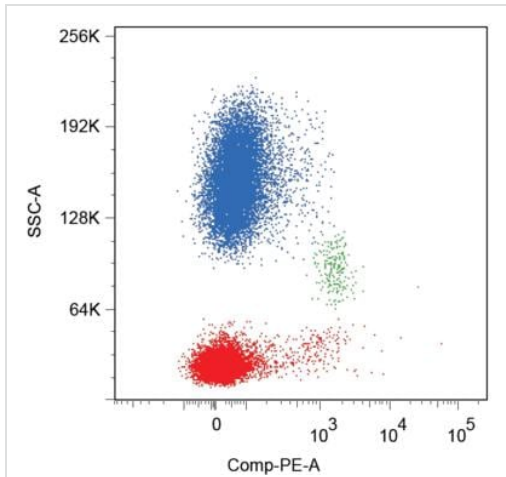
Images



Analysis by flow cytometry of ab77226 staining CD86 in human peripheral blood cells.

Flow Cytometry - Anti-CD86 antibody [BU63]

(Phycoerythrin) (ab77226)



Flow cytometry analysis of human peripheral blood leukocytes with anti-human CD86 (BU63) PE.

Flow Cytometry - Anti-CD86 antibody [BU63]
(Phycoerythrin) (ab77226)

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