


Product datasheet

Anti-CD86 antibody [BU63] ab234000

[2 Images](#)

Overview

Product name	Anti-CD86 antibody [BU63]
Description	Mouse monoclonal [BU63] to CD86
Host species	Mouse
Tested applications	Suitable for: Flow Cyt, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Tissue, cells or virus corresponding to Human CD86. (ARH-77 (B-lymphoblastoid cell line)).
Positive control	Flow Cyt: Human PMBCs. IHC-P: Human esophageal tumor tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Protein A/G purified
Purification notes	Purified from Bioreactor Concentrate by Protein A/G.
Clonality	Monoclonal
Clone number	BU63
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab234000** in the following tested applications.

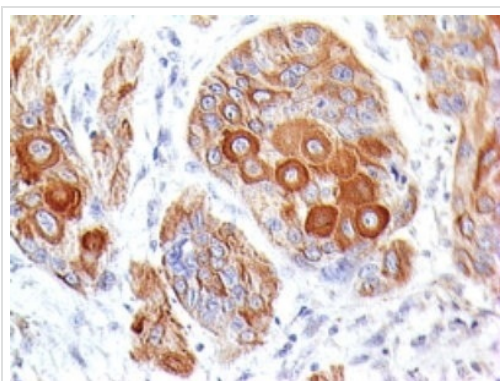
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.5-1µg for 10 ⁶ cells. (in 0.1 ml).
IHC-P		Use a concentration of 2 - 4 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. (Primary incubation for 30 minutes at RT).

Target

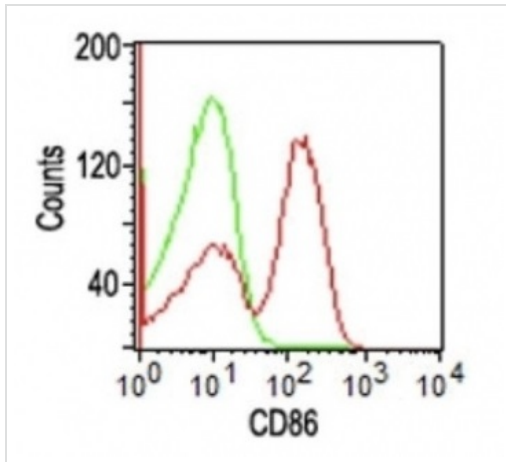
Function	Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that 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



Formalin-fixed, paraffin-embedded human esophageal tumor tissue stained for CD86 using ab234000 at 4 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD86 antibody [BU63] (ab234000)



Flow cytometric analysis of human PMBCs labeling CD86 with ab234000 at $1 \mu\text{g}/10^6$ cells (red).

Flow Cytometry - Anti-CD86 antibody [BU63]
(ab234000)

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