

## Product datasheet

# Anti-CD86 antibody [BU63] - BSA and Azide free ab213044

★★★★★ [1 Abreviews](#) [22 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-CD86 antibody [BU63] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [BU63] to CD86 - BSA and Azide free
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue, cells or virus corresponding to Human CD86. ARH-77 (B-lymphoblastoid cell line). Database link: <a href="#">P42081</a>
<b>Positive control</b>	FACS: Human PBMC. IHC-P: Human esophageal tumor tissue.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.2 Constituent: 100% PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from bioreactor concentrate.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	BU63

<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

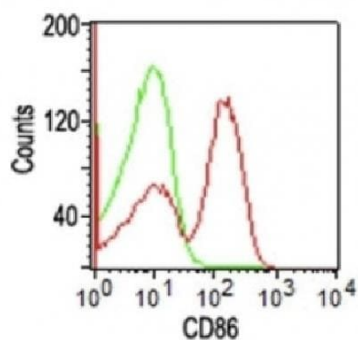
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab213044 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.5-1µg for 10 <sup>6</sup> cells. Final volume 100 µL.
IHC-P	★★★★★ (1)	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.

## Target

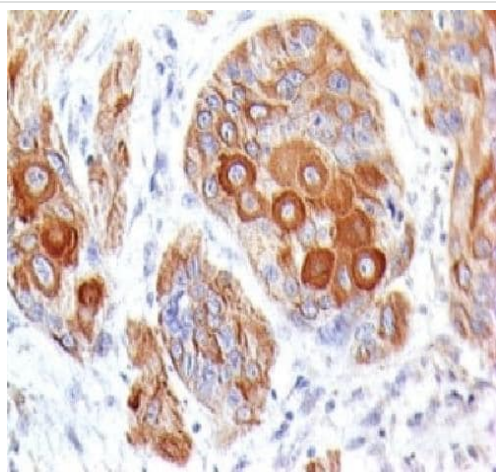
<b>Function</b>	Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy 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.
<b>Tissue specificity</b>	Expressed by activated B-lymphocytes and monocytes.
<b>Sequence similarities</b>	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>Post-translational modifications</b>	Polyubiquitinated; which is promoted by MARCH8 and results in endocytosis and lysosomal degradation.
<b>Cellular localization</b>	Membrane.

## Images



Flow cytometric analysis of human PBMC's labeling CD86 with ab213044 at 1  $\mu\text{g}$  per  $10^6$  cells.

Flow Cytometry - Anti-CD86 antibody [BU63] - BSA and Azide free (ab213044)



Immunohistochemical analysis of formalin fixed, paraffin embedded human esophageal tumor tissue labeling CD86 with ab213044 at 1  $\mu\text{g}/\text{mL}$ .

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD86 antibody [BU63] - BSA and Azide free (ab213044)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors