

Anti-CD86 Antibody [BU63] (A250644)

Specifications:

Name:	Anti-CD86 Antibody [BU63]
Description:	Mouse monoclonal [BU63] antibody to CD86.
Specificity:	This antibody recognizes a protein of 70kDa, which is identified as CD86 (HLDA V; WS Code BP BP072. HLDA V; WS Code A A109. HLDA VI; WS Code BP 95. HLDA VI; WS Code B CD86.9). CD86 is a type I transmembrane glycoprotein and a member of the immunoglobulin superfamily of cell surface receptors. It is expressed at high levels on resting peripheral monocytes and dendritic cells and at very low density on resting B and T lymphocytes. CD86 expression is rapidly upregulated by B cell specific stimuli with peak expression at 18 to 42 hours after stimulation. CD86, along with CD80/B71, is an important accessory molecule in T cell co-stimulation via its interaction with CD28 and CD152/CTLA4. Since CD86 has rapid kinetics of induction, it is believed to be the major CD28 ligand expressed early in the immune response. It is also found on malignant Hodgkin and Reed Sternberg (HRS) cells in Hodgkins disease.
Applications:	Functional Studies, Flow Cytometry, IF, IHC-P
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, IHC-P: 2-4 µg/ml
Reactivity:	Human, Mouse, Rat
Immunogen:	ARH-77 (B-lymphoblastoid cell line).
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	BU63
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Specifications continued:

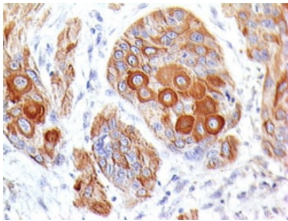
General Notes:

This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-CD86 Antibody [BU63] - BSA and Azide free (A253824).

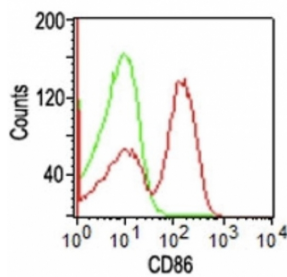
Disclaimer:

This product is for research use only. It is not intended for diagnostic or therapeutic use.

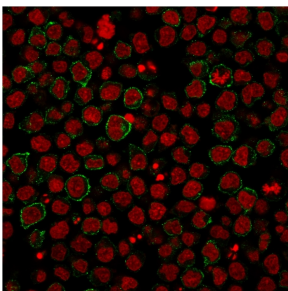
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human esophageal tumor using Anti-CD86 Antibody [BU63].



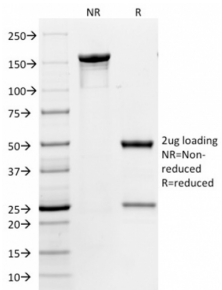
Flow cytometric analysis of human PBMCs using Anti-CD86 Antibody [BU63] followed by Goat Anti-Mouse IgG (CF® 488) (Red). Isotype Control (Green).



Immunofluorescent analysis of PFA fixed Ramos cells stained with Anti-CD86 Antibody [BU63] followed by Goat Anti-Mouse IgG (CF® 488) (Green). Nuclei are stained with RedDot.

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Images continued:



SDS-PAGE analysis of Anti-CD86 Antibody [BU63] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.