



11-531-C025

Monoclonal Antibody to CD86 Purified Antibody (0.025 mg)

Clone:	BU63
Isotype:	Mouse IgG1
Specificity:	<p>The antibody BU63 reacts with CD86 (B7-2), a 70 kDa type I transmembrane glycoprotein of immunoglobulin supergene family, expressed on professional antigen-presenting cells, such as dendritic cells, macrophages or activated B lymphocytes.</p> <p>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</p>
Regulatory Status:	RUO
Immunogen:	B-lymphoblastoid cell line ARH 77
Species Reactivity:	Human, Other not determined
Application:	<p>Flow Cytometry Recommended dilution: 5 µg/ml Immunoprecipitation Western Blotting Immunohistochemistry (frozen sections) Functional Application</p> <p>The antibody BU63 blocks mixed lymphocyte reaction (MLR) and binding of soluble CTLA-4 (CD152)-mulg fusion protein to CD86 (B7-2).</p>
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	<p>CD80 (B7-1) and CD86 (B7-2) are ligands of T cell critical costimulatory molecule CD28 and of an inhibitory receptor CTLA-4 (CD152). The both B7 molecules are expressed on professional antigen-presenting cells and are essential for T cell activation, the both molecules can also substitute for each other in this process. The question what are the differences in CD80 and CD86 competency has not been fully elucidated yet; there are still conflicts in results about their respective roles in initiation or sustaining of the T cell immune response.</p>

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

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- *And many other.

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