

TECHNICAL DATA SHEET

CyFlow™ CD86 FITC Anti-Ms; Clone GL-1



CQ603647

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD86			
Alternative Names	B70, B7-2			
Clone	GL-1			
Clonality	monoclonal			
Format	FITC			
Host / Isotype	Rat / IgG2a			
Species Reactivity	Mouse			
Negative Species Reactivity	_			
Quantity [Concentration]	0.1 mg [0.5 mg/ml]			
Immunogen	LPS-activated CBA/Cs mouse splenic B cells			

Specificity

The rat monoclonal antibody GL-1 recognizes CD86 antigen, a 70-80 kDa type I transmembrane glycoprotein of immunoglobulin supergene family, expressed on professional antigen-presenting cells, such as dendritic cells, macrophages or activated B lymphocytes.

Contact Information:

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Application

The reagent is designed for Flow Cytometry analysis. Suggested working usage is 2 µg/ml. Indicated dilution is recommended starting point for use of this product, but working concentrations should be validated by the investigator.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability Do not use after expiration date stamped on vial label.	

Background Information

CD86 (B7-2) and CD80 (B7-1) are ligands of T cell critical costimulatory molecule CD28 and of an inhibitory receptor CD152 (CTLA-4). Both B7 molecules are expressed on professional antigen-presenting cells and are essential for T cell activation, 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.

References

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The S	Safety Data	Sheet for this	product is	available	at www.sysmex	c-partec.com/service	S.

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