

TECHNICAL DATA SHEET

CyFlow™ CD85j Low Endotoxin Anti-Hu; Clone GHI/75

REF AG729790

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD85j
Alternative Names	LIR-1, LIR1 ILT2,
Clone	GHI/75
Clonality	monoclonal
Format	Low Endotoxin
Host / Isotype	Mouse / IgG2b
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Hairy cell leukaemia cells

Specificity

The mouse monoclonal antibody GHI/75 recognizes CD85j antigen, an 110-120 kDa membrane glycoprotein expressed strongly on plasma cells, moderately on circulating B cells, and weakly on monocytes. It is also expressed on T cell and NK cell subsets (variable, individual).

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com

Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot
- Functional assays

Storage Buffer

The reagent is provided in azide-free phosphate buffered saline (PBS) solution, pH $\approx$ 7.4; 0.2 μ m filter sterilized. Endotoxin level is less than 0.01 EU/ μ g of the protein, as determined by the LAL test.

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

CD85j (ILT-2; Ig-like transcript 2, LIR-1; leukocyte Ig-like receptor 1 or LILRB1; leukocyte Ig-like receptor B1) is a member of Ig superfamily transmembrane glycoproteins named CD85. The CD85j protein is expressed on several types of immune cells (plasma cells, B cells, monocytes, T and NK cell subsets) where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity.

References

- Doussis IA, Gatter KC, Mason DY: CD68 reactivity of non-macrophage derived tumours in cytological specimens. J Clin Pathol. 1993 Apr; 46(4):334-6. < PMID: 7684403 >
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- Riteau B, Menier C, Khalil-Daher I, Martinozzi S, Pla M, Dausset J, Carosella ED, Rouas-Freiss N: HLA-G1 co-expression boosts the HLA class I-mediated NK lysis inhibition. Int Immunol. 2001 Feb; 13(2):193-201. < PMID: 11157852 >

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

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