SONY

Product Data Sheet

Alexa Fluor® 647 anti-human CD85k (ILT3)

Catalog # / Size: 2265050 / 100 tests

Clone: ZM4.1

Isotype: Mouse IgG1, κ

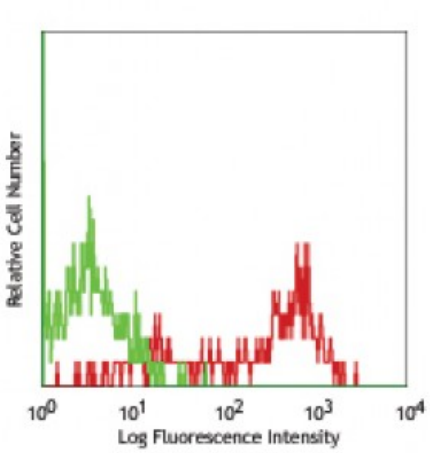
Immunogen: ILT3 fusion protein

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human monocyte-derived dendritic cells stained with ZM4.1 Alexa Fluor® 647

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

Application References: NULL

Description: CD85k, known as Immunoglobulin-like transcript (ILT) 3, is an inhibitory receptor expressed by dendritic cells and a subset of white blood cells called monocytes. ILT3, also known as Leukocyte Immunoglobulin-Like Receptor subfamily B member 4 (LILRB4) and Leukocyte Immunoglobulin-like Receptor 5 (LIR-5), is a type I membrane protein that contains cytoplasmic ITIM motifs and is involved in the down-regulation of immune responses. Expression of ILT3 is up-regulated on tolerogenic dendritic cells.

Antigen References:

1. Cella M, *et al.* 1997. *J. Exp. Med.* 185:1743.
2. Penna G, *et al.* 2005 *Blood* 5:2044.

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