

Product Data Sheet

LEAF™ Purified anti-mouse MAIR-IV (CLM-5)

Catalog # / Size: 139604 / 500 µg

Clone: TX69

Isotype: Rat IgG2a, κ

Immunogen: MAIR-IV transfected BW5147 cells

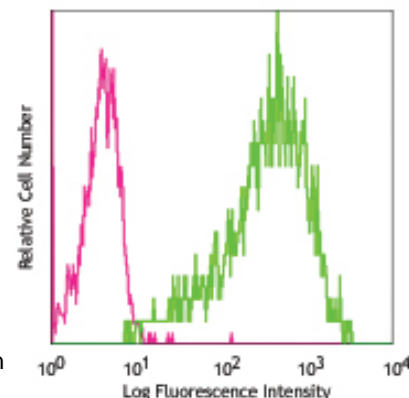
Reactivity: Mouse

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



Mouse MAIR-IV transfected cells stained with purified TX-69 conjugated with PE

Applications:

Applications: FC - Quality tested
 Activ, WB - Reported in the literature

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: Western blot¹, plate-coated TX69 induced secretion of IL-6, and TNF-α by neutrophils¹.

Application References: 1. Nakano T, *et al.* 2008. *Mol. Immunol.* 45:289. (Activ, WB)

Description: MAIR-IV, also known as LMIR4 or CLM5, is a member of the myeloid-associated immunoglobulin-like receptor family (MAIR, CD300). It is preferentially expressed on Gr-1⁺/Mac-1⁺ neutrophils in the peripheral blood, bone marrow, peritoneal cavity, and spleen. It is also found on Mac-1⁺/Gr-1⁺ macrophages and CD11c⁺ dendritic cells. In association with the immunoreceptor tyrosine based activating motif (ITAM)-bearing adaptor FcRγ, MAIR-IV mediates activation signals for neutrophils.

Antigen References: 1. Shibuya A, *et al.* 2009. *Immune Network* 9:41.
 2. Can I, *et al.* 2008. *J. Immunol.* 180:207.
 3. Nakano T, *et al.* 2008. *Mol. Immunol.* 45:289.

Related Products:

Product
 LEAF™ Purified Rat IgG2a, κ Isotype Ctrl

Cell Staining Buffer
 RBC Lysis Buffer (10X)

Clone
 RTK2758

Application
 FC, ICFC, WB, IP, ICC, IF,
 IHC, FA
 FC, ICC, ICFC
 FC, ICFC



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