

Product Data Sheet

LEAF™ Purified anti-mouse CD314 (NKG2D)

Catalog # / Size: 130203 / 50 µg
130204 / 500 µg

Clone: CX5

Isotype: Rat IgG1, κ

Immunogen: Mouse NKG2D

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.

Applications:

Applications: FC - *Quality tested*
Block - *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 ≤1.0 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: To reduce non-specific binding, preincubate cells with purified anti-mouse CD16/CD32, clone 93 (Cat No 101301/2) is recommended.

Application References: 1. Ogasawara K, *et al.* 2003. *Immunity* 18:41. (Block)
2. Ogasawara K, *et al.* 2004. *Immunity* 20:757. (Block)
3. Kong LY, *et al.* 2010. *Clin. Cancer Res.* 16:2550. PubMed

This product is for in vitro research use only. It is not to be used for commercial purposes. Use of this product to produce products for sale or for diagnostic therapeutic or drug discovery purposes is prohibited. In order to obtain a license to use this product for commercial purposes contact The Regents of the University of California.

Description: This antibody has been reported to block binding of NKG2D to its ligands, RAE-1 and H60, and inhibition of NKG2D-dependent NK-cell cytotoxicity.

Related Products:	Product	Clone	Application
	LEAF™ Purified Rat IgG1, κ Isotype Ctrl	RTK2071	FC, ICFC, WB, IP, ICC, IF, IHC, FA
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.