

## Technical Data Sheet

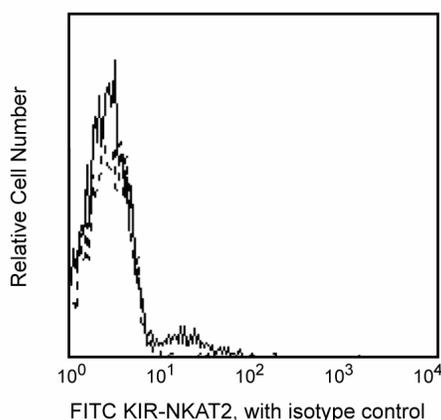
## FITC Mouse Anti-Human KIR-NKAT2

## Product Information

<b>Material Number:</b>	<b>556070</b>
<b>Size:</b>	100 tests
<b>Vol. per Test:</b>	20 µl
<b>Clone:</b>	DX27
<b>Isotype:</b>	Mouse IgG2a, κ
<b>Reactivity:</b>	QC Testing: Human
<b>Workshop:</b>	NA
<b>Storage Buffer:</b>	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

## Description

Reacts with KIR-NKAT2, a member of the killer-inhibitory receptor (KIR) family. The KIR family consists of transmembrane glycoproteins of the Ig superfamily expressed on NK cells and a subset of T cells which are involved in recognition of MHC class I molecules on target cells and inhibit cytotoxicity. KIR-NKAT2 antigen is involved in the recognition of HLA-C molecules (-Cw3 and related alleles).



Profile of KIR-NKAT2 expressed on blood lymphocytes analyzed on a FACWcan (BDIS, San Jose, CA)

## Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

## Application Notes

## Application

Flow cytometry	Routinely Tested
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## Suggested Companion Products

Catalog Number	Name	Size	Clone
555573	FITC Mouse IgG2a, κ Isotype Control	100 tests	G155-178

## Product Notices

- This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10<sup>6</sup> cells in a 100-µl experimental sample (a test).
- Since applications vary, each investigator should titrate the reagent to obtain optimal results.

## BD Biosciences

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3. Please refer to [www.bdbiosciences.com/pharming/en/protocols](http://www.bdbiosciences.com/pharming/en/protocols) for technical protocols.
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

## References

Bakker AB, Phillips JH, Figdor CG, Lanier LL. Killer cell inhibitory receptors for MHC class I molecules regulate lysis of melanoma cells mediated by NK cells, gamma delta T cells, and antigen-specific CTL. *J Immunol.* 1998; 160(11):5239-5245.(Biology)

Lanier LL, Corliss B, Phillips JH. Arousal and inhibition of human NK cells. *Immunol Rev.* 1997; 155:145-154.(Biology)