

**Purified anti-mouse CD314 (NKG2D)**

**Catalog # / Size:** 1251010 / 500 µg  
**Clone:** CX5  
**Isotype:** Rat IgG1, κ  
**Immunogen:** Mouse NKG2D  
**Reactivity:** Mouse  
**Preparation:** The antibody was purified by affinity chromatography.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.  
**Concentration:** 0.5

**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 ≤1.0 microg per million cells in 100 microL volume. 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](#)

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**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.