Technical Data Sheet

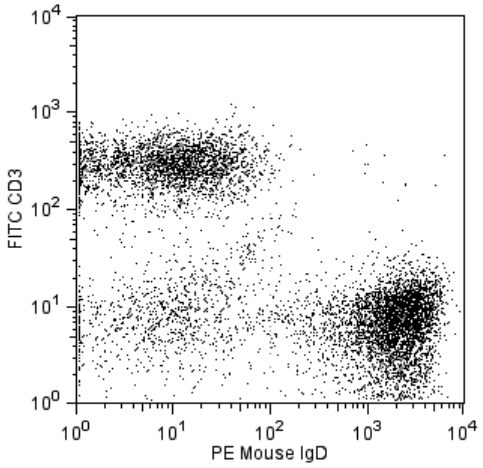
PE Rat anti-Mouse IgD

Product Information

Material Number:	**558597**
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	11-26c.2a
Isotype:	Rat IgG2a, κ
Reactivity:	Tested on mouse strains B6 and BALB/c
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The 11-26c.2a antibody reacts with mouse immunoglobulin D of all *Igh-C* haplotypes (e.g., IgDa, IgDb, IgDe), and it does not react with other immunoglobulin isotypes. Although 11-26c.2a mAb binds membrane IgD expressed on the splenic B-cell surface with high affinity, it does not induce proliferation of spleen B cells *in vitro*. *In vivo* injection of 11-26c.2a antibody does not have any effect on activation of mature B cells, as determined by Ia expression.



Flow cytometric analysis of PE-conjugated anti-mouse IgD on mouse splenocytes.
Isolated murine splenocytes were simultaneously stained with PE anti-mouse IgD (clone 11-26c.2a, Cat. No. 558597) and FITC anti-mouse CD3 (Clone 145-2C11, Cat. No. 553062) then analyzed by flow cytometry. Flow cytometry was performed on a BD FACSCalibur™ System.

Preparation and Storage

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

Application Notes

Application

Flow cytometry	Routinely Tested

Suggested Companion Products

Catalog Number	Name	Size	Clone
553930	PE Rat IgG2a, κ Isotype Control	0.1 mg	R35-95
553062	FITC Hamster Anti-Mouse CD3e	0.5 mg	145-2C11

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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3. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/pharmingen/colors.
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.

References

Hamilton AM, Lehuen A, Kearney JF. Immunofluorescence analysis of B-1 cell ontogeny in the mouse. *Int Immunol.* 1994; 6(3):355-361.(Biology)

Ishihara K, Wood WJ Jr, Wall R, et al. Multiple B29 containing complexes on murine B lymphocytes. Common and stage-restricted Ig-associated polypeptide chains. *J Immunol.* 1993; 150(6):2253-2262.(Biology)

Nitschke L, Kosco MH, Kohler G, Lamers MC. Immunoglobulin D-deficient mice can mount normal immune responses to thymus-independent and -dependent antigens. *Proc Natl Acad Sci U S A.* 1993; 90(5):1887-1891.(Clone-specific)