Datasheet for ABIN967283

anti-Fc gamma RII (CD32) antibody

3 Images

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Overview

Quantity:	0.5 mg
Target:	Fc gamma RII (CD32)
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Blocking Reagent (BR), Immunohistochemistry (Zinc-fixed Sections) (IHC (zinc))

Product Details

Brand:	BD Pharmingen™
Immunogen:	Recombinant Rat CD32 Protein
Clone:	D34-485
Isotype:	IgG1 kappa
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. 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. 4. Sodium azide is a reversible inhibitor of oxidative metabolism, therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody

Product Details

	or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE™ (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	Fc gamma RII (CD32)
Alternative Name:	CD32 (CD32 Products)
Background:	The D34-485 antibody reacts specifically with CD32, the FcgammaII receptor. Rat CD32 is expressed on B lymphocytes, myeloid cells, and some lymphocytes in the thymic medulla. D34-485 mAb blocks binding of aggregated immunoglobulins to the FcgammaIi receptors in vitro. This antibody is routinely tested by flow cytometric analysis. Synonyms: FcgammaII Receptor

Application Details

Application Notes:	To specifically stain cells bearing Fc gamma II receptors for flow cytometric analysis: Incubate cell suspension with this antibody (Less or equal than 1 µg/million cells) followed by an appropriate fluorochrome-conjugated second-step reagent. To reduce Fc receptor-mediated binding by antibodies of interest to FcgammaII receptor-bearing rat cells for flow cytometric analysis: a. Preincubate cell suspension with Rat Fc Block Solution (e.g., Less or equal than 1 µg/million cells in 100 µl) at 4°C for 5 minutes. b. Add antibody of interest directly to preincubated cells in the presence of Rat Fc Block Solution (i.e., Rat Fc Block Solution need not be washed off before staining cells). c. If anti-Ig second-step is necessary, a reagent must be chosen which will not bind to Rat Fc Block Solution (e.g., mouse IgG1, kappa)
Restrictions:	For Research Use only

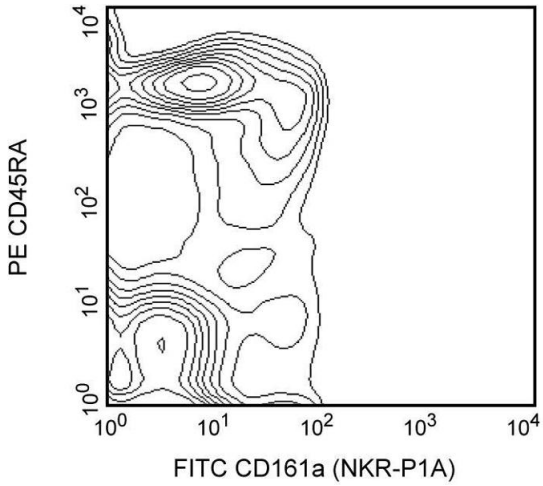
Handling

Format:	Liquid
Concentration:	0.5 mg/mL

Handling

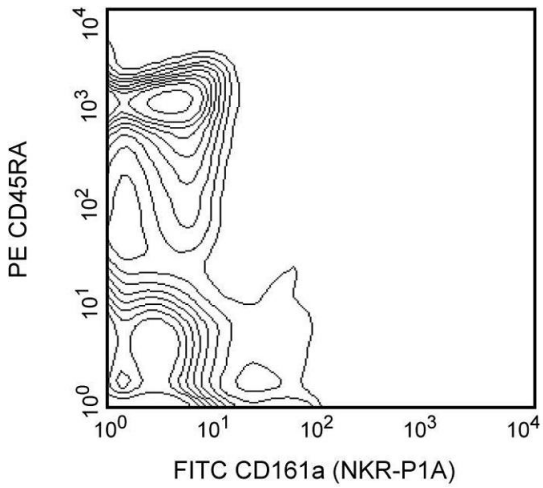
Buffer:	Aqueous buffered solution containing ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 4° C.

Images



Flow Cytometry

Image 1. Blocking of Fc-mediated binding to FcgammaII receptors (CD32) on rat splenocytes. Lewis rat splenocytes were pre-incubated with purified isotype control mAb A112-2 (first panel) or Rat BD Fc Block™ purified anti-rat CD32 mAb D34-485 (second panel). Two-color staining was performed with FITC-conjugated anti-rat NKR-P1A mAb 10/78 and PE-conjugated anti-rat CD45RA mAb OX-33. Note how the dim staining of B lymphocytes (OX-33+ cells) by anti-CD161a (NKR-P1A) (first panel) is reduced when Rat BD Fc Block™ is used before staining (second panel). Flow cytometry was performed on a BD FACScan™ flow cytometry system.



Flow Cytometry

Image 2. Blocking of Fc-mediated binding to FcgammaII receptors (CD32) on rat splenocytes. Lewis rat splenocytes were pre-incubated with purified isotype control mAb A112-2 (first panel) or Rat BD Fc Block™ purified anti-rat CD32 mAb D34-485 (second panel). Two-color staining was performed with FITC-conjugated anti-rat NKR-P1A mAb 10/78 and PE-conjugated anti-rat CD45RA mAb OX-33. Note how the dim staining of B lymphocytes (OX-33+ cells) by anti-CD161a (NKR-P1A) (first panel) is reduced when Rat BD Fc Block™ is used before staining (second panel). Flow

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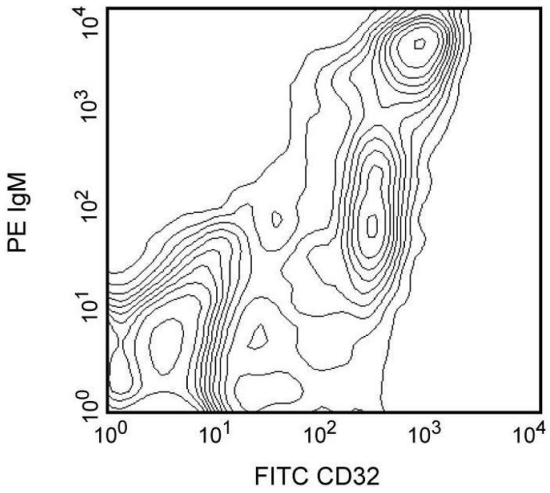

Flow Cytometry

Image 3. Two-color analysis of the expression of CD32 on rat splenocytes. Lewis rat splenocytes were stained with purified D34-485 mAb, followed by FITC-conjugated polyclonal goat anti-mouse Ig, then PE-conjugated anti-rat IgM G53-238. Double-positive cells are B lymphocytes (IgM+ cells), which express CD32 on the cell surface. Flow cytometry was performed on a BD FACScan™ flow cytometry system.