



[Go to Product page](#)

Datasheet for ABIN2749091

Mouse IgG2b isotype control (Biotin)

3 Images

5 Publications

Overview

Quantity:	0.1 mg
Target:	IgG2b
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Biotin
Application:	Flow Cytometry (FACS), ELISA, Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH-coupled trinitrophenol
Clone:	MPC-11
Isotype:	IgG2b kappa
Specificity:	This mouse IgG2b (kappa) monoclonal antibody (clone MPC-11) reacts with an epitope irrelevant for a variety of resting, activated, live, and fixed human, mouse, and rat tissues.
No Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.

Target Details

Target:	IgG2b
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Target Details

Alternative Name: IgG2b ([IgG2b Products](#))

Target Type: Antibody

Application Details

Application Notes: Negative control: The reagent is intended as an isotype control to establish the amount of non-specific antibody binding. For your particular experiment, use the same concentration of this control antibody as the recommended working concentration of the antigen-specific antibody. Also, when working with prediluted antibodies, dilute the isotype control to the same concentration as is the concentration of the antigen-specific antibody in the prediluted antibody solution you are using. If under particular experimental conditions the background signal of the isotype control is too high (usually when working concentrations of used antibodies are above 10 µg/mL of incubation mixture), change the conditions of your experiment to reduce the background.

Comment: The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM 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 at 2-8°C. Do not freeze.

Publications

Product cited in: Dewals, Vanderplasschen et al.: "Malignant catarrhal fever induced by Alcelaphine herpesvirus 1 is characterized by an expansion of activated CD3+CD8+CD4- T cells expressing a cytotoxic phenotype in both lymphoid and non-lymphoid ..." in: **Veterinary research**, Vol. 42, Issue 1, pp. 95, (2011) ([PubMed](#)).

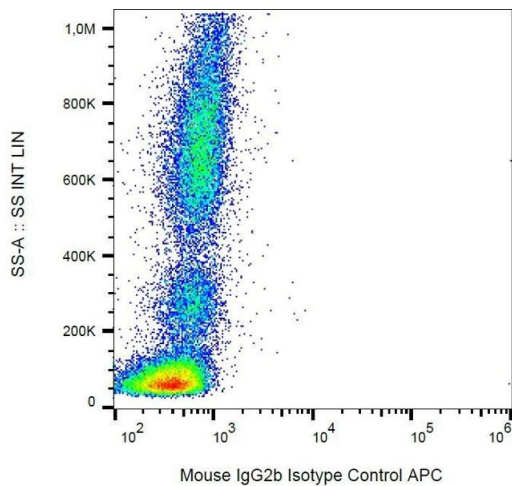
Liang, Zhou, Li, Wan: "Natural course of chronic hepatitis B is characterized by changing patterns of programmed death type-1 of CD8-positive T cells." in: **World journal of gastroenterology**, Vol. 16, Issue 5, pp. 618-24, (2010) ([PubMed](#)).

Smed-Sørensen, Moll, Cheng, Loré, Norlin, Perbeck, Moody, Spetz, Sandberg: "IgG regulates the CD1 expression profile and lipid antigen-presenting function in human dendritic cells via FcγRIIa." in: **Blood**, Vol. 111, Issue 10, pp. 5037-46, (2008) ([PubMed](#)).

Im, Tapinos, Chae, Illarionov, Besra, DeVries, Modlin, Sieling, Rambukkana, Porcelli: "Expression of CD1d molecules by human schwann cells and potential interactions with immunoregulatory invariant NK T cells." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 177, Issue 8, pp. 5226-35, (2006) ([PubMed](#)).

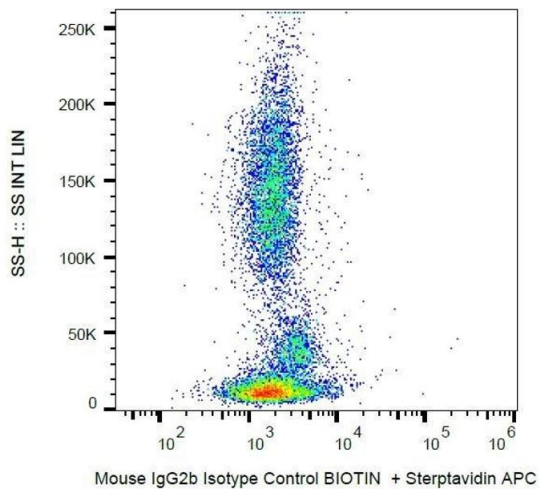
Gupta, Wang, Vinson, Dziarski: "Bacterial peptidoglycan induces CD14-dependent activation of transcription factors CREB/ATF and AP-1." in: **The Journal of biological chemistry**, Vol. 274, Issue 20, pp. 14012-20, (1999) ([PubMed](#)).

Images



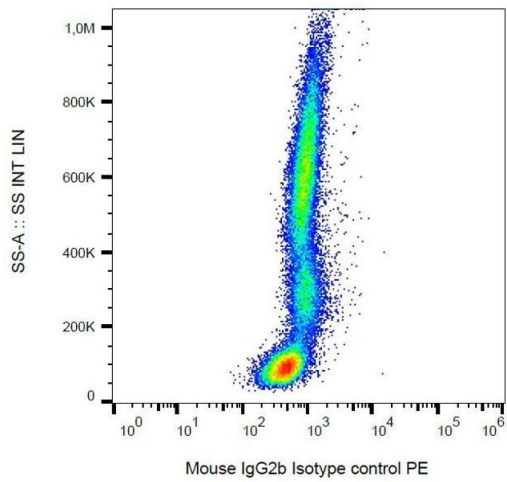
Flow Cytometry

Image 1. Example of nonspecific mouse IgG2b (MPC-11) biotin signal on human peripheral blood; surface staining, 16 µg/ml.



Flow Cytometry

Image 2. Example of nonspecific mouse IgG2b (MPC-11) biotin signal on human peripheral blood; surface staining, 16 µg/ml.



Flow Cytometry

Image 3. Example of nonspecific mouse IgG2b (MPC-11) biotin signal on human peripheral blood; surface staining, 16 µg/ml.