

Technical Data Sheet

BV421 Mouse IgG3, κ Isotype Control**Product Information**

Material Number:	563314
Alternate Name:	Anti-Fructosan
Size:	50 µg
Concentration:	0.2 mg/ml
Clone:	J606
Isotype:	Mouse (BALB/c) IgG3, κ
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Mouse IgG3 κ isotype control antibody is specific for the β-2 - 6-linked Fructosan. The transplantable plasmacytoma J606 was induced by intraperitoneal injection of mineral oils into BALB/c mice.

This antibody is conjugated to BD Horizon™ BV605 which is part of the BD Horizon™ Brilliant Violet™ family of dyes. With an Ex Max of 407-nm and Em Max of 602-nm, BD Horizon™ BV605 can be excited by a violet laser and detected with a standard 610/20-nm filter set. BD Horizon™ BV605 is a tandem fluorochrome of BD Horizon™ BV421 and Cy™3.5. Due to the excitation of Cy™3.5 by the green (532 nm) and yellow-green (561 nm) lasers, there will be significant spillover into the PE and BD Horizon™ PE-CF594 detectors off the green or yellow-green lasers. BD Horizon™ BV605 conjugates are very bright, often exhibiting brightness equivalent to PE conjugates and can be used as a third color off of the violet laser.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with BD Horizon™ BV605 under optimum conditions, and unconjugated antibody and free BD Horizon™ BV605 were removed.

Application Notes**Application**

Flow cytometry	Routinely Tested
Isotype control	Routinely Tested

Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
554656	Stain Buffer (FBS)	500 ml	(none)

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- An isotype control should be used at the same concentration as the antibody of interest.
- 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.
- Source of all serum proteins is from USDA inspected abattoirs located in the United States.
- Please observe the following precautions: Absorption of visible light can significantly alter the energy transfer occurring in any tandem fluorochrome conjugate; therefore, we recommend that special precautions be taken (such as wrapping vials, tubes, or racks in aluminum foil) to prevent exposure of conjugated reagents, including cells stained with those reagents, to room illumination.
- Although every effort is made to minimize the lot-to-lot variation in the efficiency of the fluorochrome energy transfer, differences in the residual emission from BD Horizon™ BV421 may be observed. Therefore, we recommend that individual compensation controls be performed for every BD Horizon™ BV605 conjugate.
- Cy is a trademark of Amersham Biosciences Limited. This conjugated product is sold under license to the following patents: US Patent Nos. 5,486,616; 5,569,587; 5,569,766; 5,627,027.
- Pacific Blue™ is a trademark of Molecular Probes, Inc., Eugene, OR.
- Brilliant Violet™ 421 is a trademark of Sirigen.
- Brilliant Violet™ 605 is a trademark of Sirigen.
- For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

BD Biosciences

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United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	800.979.9408	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

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