

Control Reagent, Mouse IgG1/CY Code X7908
Control Reagent, Mouse IgG1/PB Code X0987

For research use only. Not for use in diagnostic procedures.

Recommended use X7908 and X0987 are intended for use in flow cytometry. The reagents have been produced especially as negative controls for DakoCytomation Cascade Yellow- and Pacific Blue-conjugated monoclonal mouse antibodies of isotype IgG1.

Introduction In flow cytometry, isotype-specific negative control reagents typically are fluorochrome-conjugated monoclonal antibodies directed against non-human antigens. These reagents measure the amount of conjugate binding that is unrelated to the target antigen of the human cell. This non-immunological binding may be caused by Fc receptors on the cells or by the physico-chemical characteristics of the fluorochrome conjugate. A conjugated monoclonal mouse antibody selected as an isotypic control should be of the same isotype as the conjugated monoclonal mouse antibody used as the test reagent and should be conjugated with the same fluorochrome.

Reagent provided X7908 and X0987 have been produced from a purified monoclonal mouse antibody clone DAK-GO1. Cascade Yellow* (CY) has an excitation and emission spectrum at 406 nm and 541 nm, respectively. Pacific Blue* (PB) has an excitation and emission spectrum at 406 nm and 456 nm, respectively. The conjugates are provided in liquid form in buffer containing 15 mmol/L NaN₃ and 1% bovine serum albumin, pH 7.2. Each vial contains 100 tests (10 µL of conjugate for 100 µL peripheral blood).

Isotype: IgG1, kappa. Conjugate concentration mg/L: See label on vial.

* The Cascade Yellow™ and Pacific Blue™ dye antibody conjugates in these products are sold under license from Molecular Probes, Inc., for research use only, except for use in combination with microarrays, and are covered by pending and issued patents.

Specificity The antibody specificity is directed towards *Aspergillus niger* glucose oxidase, an enzyme which is neither present nor inducible in mammalian tissues.

Precautions








1. The device is not intended for clinical use including diagnosis, prognosis, and monitoring of a disease state, and it must not be used in conjunction with patient records or treatment.
2. This product contains sodium azide (NaN₃), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, sodium azide may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.
3. As with any product derived from biological sources, proper handling procedures should be used.

Storage Store in the dark at 2-8 °C. Do not use after expiration date stamped on vial. If unexpected staining is observed which cannot be explained by variations in laboratory procedures and a problem with the product is suspected, contact our Technical Services.

Dilution guideline In flow cytometry, the conjugated negative controls may be used at a volume of 10 µL per test when adjusted to the same conjugate concentration as the test antibody. This is a guideline only. The optimal amount of the negative control conjugate may vary, e.g. depending on the specimen and preparation method, and should be determined by each individual laboratory. Note that fluorochrome conjugates are light sensitive, and samples should be protected from light during the staining procedure and until the analysis.

Statement of quality Each lot of reagent is tested by flow cytometry for conformance with characteristics of a standard reagent. In this quality control test 10 µL X7908 and X0987 are used for up to 10⁶ leucocytes from normal human peripheral blood.

Explanation of symbols

 REF	Catalogue number		Keep away from sunlight (consult storage section)		Manufacturer
	Consult instructions for use		Batch code		
	Temperature limitation		Use by		