Anti-R-Phycoerythrin (R-PE) Antibody, Clone ID3

Mouse monoclonal IgG1 antibody against R-phycoerythrin

Catalog #01402 100 µL 1 mg/mL

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Product Description

R-phycoerythrin (R-PE) can be coupled to antibodies, peptides, or ligands to allow their detection by fluorescent microscopy or flow cytometry. The ID3 antibody reacts with R-PE alone or with PE-tandem dyes, such as PE-Cyanine 7, without quenching the fluorescent signal. When combined into tetrameric antibody complexes (TACs), the ID3 antibody can be used to isolate highly pure populations of PE-labeled cells.

This antibody clone is used in EasySep™ PE Positive Selection Kits (Catalog #18551 [Human], #18554 [Mouse], and #18557) and in EasySep™ Release PE Positive Selection Kits (Catalog #17654 [Human] and #17656 [Mouse]) to isolate cells of interest at high purity from single-cell suspensions derived from human, mouse, or other species. Additionally, it can be used with EasySep™ Human "Do-It-Yourself" Selection Kit (Catalog #18099) to build custom TACs for positive selection from human single-cell suspensions.

Target Antigen Name:	R-Phycoerythrin (R-PE)
Species Reactivity:	Not applicable
Host Species:	Mouse (BALB/c)
Clonality:	Monoclonal
Clone:	ID3
Isotype:	IgG1, kappa
Immunogen:	Purified R-phycoerythrin protein
Conjugate:	Unconjugated

Applications

Verified:	CellSep
Reported:	ELISA, FC

Properties

Formulation:	Phosphate-buffered saline
Purification:	The antibody was purified by affinity chromatography.
Stability and Storage:	Product stable at 2 - 8°C until expiry date (EXP) as indicated on label. Do not freeze. Addition of 0.1% sodium azide (final) is recommended once the vial has been opened.
Directions for Use:	Centrifuge vial briefly before use to ensure recovery of contents. The antibody should be titrated for optimal performance for each application.

Related Products

For a complete list of antibodies, including other conjugates, sizes, and clones, as well as related products available from STEMCELL Technologies, visit www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References

1. Lansdorp PM et al. (1991) Single laser three color immunofluorescence staining procedures based on energy transfer between phycoerythrin and cyanine 5. Cytometry 12(8): 723–30. (ELISA, FC)

2. Wognum AW et al. (1987) Use of tetrameric antibody complexes to stain cells for flow cytometry. Cytometry 8(4): 366–71.