Product Data Sheet

PE anti-human IL-9

Catalog # / Size:	3138015 / 50 μg 3138020 / 25 tests	** **
	3138025 / 100 tests	-
Clone:	MH9A4	
Isotype:	Mouse lgG2b, κ	A R
Immunogen:	Baculovirus-expressed, recombinant human IL-9	WH9
Reactivity:	Human	-
Preparation:	The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.	Enric
Formulation:	test sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA). microg size: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.	then IFN-Ã PE
Concentration:	microg sizes: 0.2 mg/ml test sizes: lot-specific	



Enriched human CD4+ T cells were stimulated with PMA+ionomycin, then intracellular stained with anti-IFN-ÃŽÂ³ (4S.B3) FITC and MH9A4 PE

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. Test size products are transitioning from 20 microL to 5 microL per test . Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	ELISA Capture2: The purified MH9A4 antibody is useful as the capture antibody in a human IL-9 sandwich ELISA assay, when used in conjunction with the biotinylated MH9D1 (Cat. No. 507702) antibody as the detecting antibody. Flow Cytometry: The fluorochrome-labeled MH9A4 antibody is useful for intercellular immunofluorescent staining and flow cytometric analysis to identify human IL-9-producing cells in mixed cell populations. For intracellular cytokine staining protocol, please visit www.biolegend.com and click on the support section.
Application References:	1. Jenmalm M, <i>et al.</i> 2001. <i>Clin. Exptl. Aller.</i> 31:1528. 2. Faulkner H, <i>et al.</i> 2002. <i>J. Infec. Diseas.</i> 185:665. 3. Chang HC, <i>et al.</i> 2010. <i>Nat. Immunol.</i> 11:527. (ELISA) <u>PubMed</u>
Description:	IL-9 is a potent, T cell-derived, T cell growth factor which can also enhance mast

Description: IL-9 is a potent, T cell-derived, T cell growth factor which can also enhance mast cell activity and IL-3- or IL-4- dependent proliferation of bone marrow-derived mast cells. IL-9 synergizes with erythropoietin to promote erythroid colony formation. IL-9 has also been reported to protect human T cells from apoptosis induced by IL-2 withdrawal. IL-9 is upregulated in human eosinophils by TNF-α

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products. Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com and IL1- β . IL- β has been reported to downregulate the oxidative burst in activated human alveolar macrophages and induce TGF- β production. The recently characterized Th- β helper cell lineage is characterized by the production of IL- β . The MH9A4 antibody reacts with human IL- β . The MH9A4 antibody can neutralize the bioactivity of natural or recombinant IL- β .

Antigen1. Fitzgerald K, et al. Eds. 2001. The Cytokine FactsBook. Academic Press SanReferences:Diego.

- 2. Quesniaux V. 1992. Research Immunology 143:385.
 - 3. Renauld J, et al. 1993. Adv. Immunol. 54:79.
 - 4. Yang Y. 199