

## Technical Data Sheet

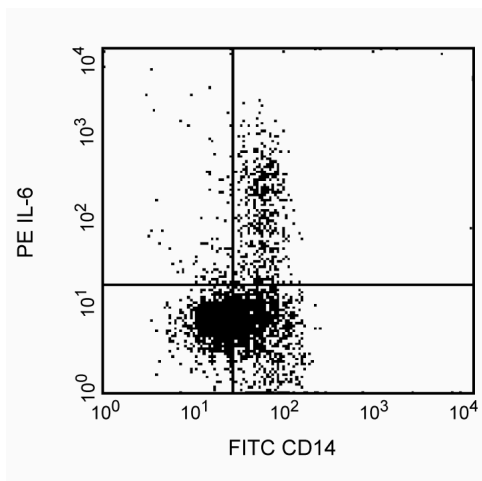
# PE Rat Anti-Human IL-6

### Product Information

<b>Material Number:</b>	551473
<b>Size:</b>	50 tests
<b>Vol. per Test:</b>	20 µl
<b>Clone:</b>	MQ2-6A3
<b>Immunogen:</b>	Recombinant human IL-6
<b>Isotype:</b>	Rat IgG2a, κ
<b>Reactivity:</b>	Human
<b>Storage Buffer:</b>	QC Testing: Cynomolgus or Rhesus Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

### Description

IL-6, a 26 kDa protein, is a multifunctional cytokine secreted by both lymphoid and non-lymphoid cells. It regulates B and T cell function and hematopoiesis. The MQ2-6A3 antibody reacts with human interleukin-6 (IL-6). The immunogen used to generate the MQ2-6A3 hybridoma was recombinant human IL-6. This is a neutralizing antibody. Clone MQ2-6A3 cross-reacts with an intracellular component of peripheral blood LPS-stimulated permeabilized monocytes of rhesus and cynomolgus macaques. The reactivity pattern observed on non-human primates is similar, although weaker, than that seen on normal human monocytes.



*Profile of LPS-stimulated (24 hrs) peripheral blood monocytes of rhesus macaque monkey (Macaca mulatta) analyzed by flow cytometry*

### Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

### Application Notes

#### Application

Intracellular staining (flow cytometry)	Routinely Tested
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### Suggested Companion Products

Catalog Number	Name	Size	Clone
551799	PE Rat IgG2a, κ Isotype Control	50 tests	R35-95
554715	BD Cytotfix/Cytoperm Plus Kit (with BD GolgiStop)	250 tests	(none)

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## Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use  $1 \times 10^6$  cells in a 100- $\mu$ l experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to [www.bdbiosciences.com/pharmlngen/protocols](http://www.bdbiosciences.com/pharmlngen/protocols) for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at [www.bdbiosciences.com/pharmlngen/colors](http://www.bdbiosciences.com/pharmlngen/colors).
5. 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.
6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

## References

- Villinger F, Brar SS, Mayne A, Chikkala N, Ansari AA. Comparative sequence analysis of cytokine genes from human and nonhuman primates. *J Immunol.* 1995; 155(8):3946-3954.(Biology)
- Villinger F, Hunt D, Mayne A, Vuchetich M, Findley H, Ansari AA. Qualitative and quantitative studies of cytokines synthesized and secreted by non-human primate peripheral blood mononuclear cells. *Cytokine.* 1993; 5(5):469-479.(Biology)