

Technical Data Sheet

PE Mouse Anti-Human fMLP receptor

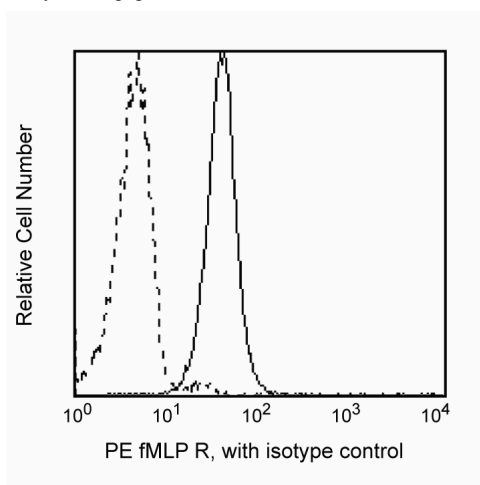
Product Information

Material Number:	556016
Size:	100 tests
Vol. per Test:	20 µl
Clone:	5F1
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with a 55 - 70 kDa peptide expressed on neutrophils, monocytes, macrophages and liver parenchymal cells.

N-formyl-leucyl-phenylalanine receptor, also known as fMLP receptor (fMLP R), is composed of seven hydrophobic membrane spanning regions and is a member of the rhodopsin superfamily of G protein-coupled receptors. N-formyl peptides interact with fMLP R and induce neutrophil chemotaxis, phagocytosis, production of superoxide radicals and release of proteolytic enzymes. The binding of 5F1 to fMLP receptor can be blocked by fMLP peptide.



Profile of peripheral granulocytes analyzed on a FACScan (BDIS, San Jose, CA)

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

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555749	PE Mouse IgG1, κ Isotype Control	100 tests	MOPC-21

Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10⁶ cells in a 100-µl experimental sample (a test).

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2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/pharmingen/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

- Barclay NA, Brown MH, Birkeland ML, et al, ed. *The Leukocyte Antigen FactsBook*. San Diego, CA: Academic Press; 1997.(Biology)
- Lala A, Sojar HT, De Nardin E. Expression and purification of recombinant human N-formyl-L-leucyl-L-phenylalanine (FMLP) receptor: generation of polyclonal antibody against FMLP receptor. *Biochem Pharmacol*. 1997; 54(3):381-390.(Biology)
- Sengeløv H, Boulay F, Kjeldsen L, Borregaard N. Subcellular localization and translocation of the receptor for N-formylmethionyl-leucyl-phenylalanine in human neutrophils. *Biochem J*. 1994; 299(2):473-479.(Biology)