

Technical Data Sheet

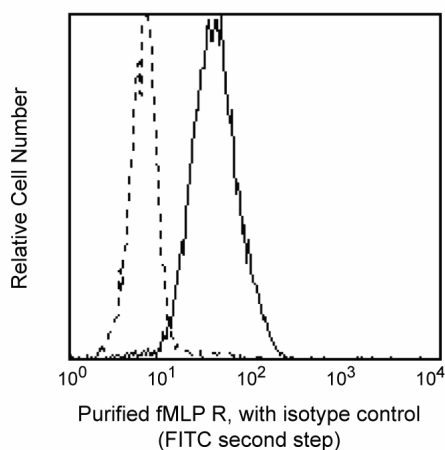
Purified Mouse Anti-Human fMLP receptor**Product Information**

Material Number:	556015
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	5F1
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ 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 blood granulocytes analyzed by flow cytometry

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Store undiluted at 4° C.

Application Notes**Application**

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. 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.

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)