ARG53777
anti-CD177 antibody [MEM-166] (PE)

Package: 100 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [MEM-166] recognizes CD177
Tested Reactivity	Hu, NHuPrm
Tested Application	FACS
Specificity	The clone MEM-166 reacts with CD177 (Neutrophil specific antigen 1), a 60 kDa GPI-linked cell surface glycoprotein of uPAR family, expressed on granulocytes and in bone marrow early erythroblasts, megakaryocytes, promyelocytes and myelocytes. HLDA VI; WS Code M M17 HLDA VI; WS Code BP 309
Host	Mouse
Clonality	Monoclonal
Clone	MEM-166
Isotype	IgG1
Target Name	CD177
Species	Human
Immunogen	Human granulocytes
Conjugation	PE
Alternate Names	NB1 glycoprotein; PRV-1; PRV1; NB1; CD177 antigen; Human neutrophil alloantigen 2a; NB1 GP; HNA2A; Polycythemia rubra vera protein 1; CD antigen CD177; HNA-2a

Application Instructions

Application table

Application	Dilution
FACS	20 µl / 10^6 cells

Application Note

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid

	repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 57126 Human Swiss-port # Q8N6Q3 Human
Gene Symbol	CD177
Gene Full Name	CD177 molecule
Background	CD177 (NB1/HNA-2a and PRV-1 form) is a GPI-anchored glycoprotein present mainly on neutrophils. Its plasma membrane expression is increased during pregnancy and and inflammation or after G-CSF application. Ligand of CD177 has been identified as CD31 (PECAM-1). CD177 participates in neutrophil transmigration and seems to be also a pro-proliferative molecule. The antibodies against CD177 can be involved in neonatal alloimmune neutropenia (NAN).
Research Area	Immune System antibody
Calculated Mw	46 kDa
PTM	N-glycosylated. A soluble form may also be produced by proteolytic cleavage at the cell surface (shedding).