

## 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 <sup>6</sup> 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

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**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 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).