

**ARG62748**  
anti-CD177 antibody [MEM-166]Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [MEM-166] recognizes CD177
Tested Reactivity	Hu, NHuPrm
Tested Application	CyTOF®-candidate, FACS, IP, WB
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	Un-conjugated
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
	CyTOF®-candidate	Assay-dependent
	FACS	1 µg/ml
	IP	Assay-dependent
	WB	Assay-dependent

Application Note  
WB: Under non-reducing condition.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

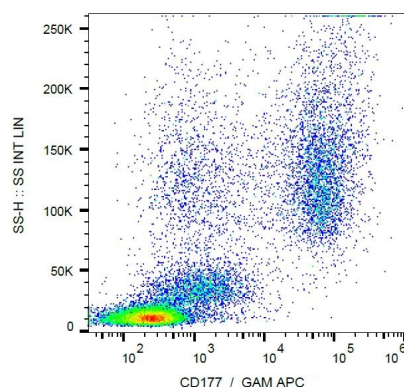
Form	Liquid
Purification	Purified from ascites by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)

Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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	<a href="#">GeneID: 57126 Human</a> <a href="#">Swiss-port # Q8N6Q3 Human</a>
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).
Highlight	Related products: <a href="#">CD177 antibodies; Anti-Mouse IgG secondary antibodies;</a> Related news: <a href="#">CyTOF-candidate Antibodies</a>
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).

## Images



ARG62748 anti-CD177 antibody [MEM-166] FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG62748 anti-CD177 antibody [MEM-166], followed by incubation with APC labelled Goat anti-Mouse secondary antibody.