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CD177 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CD177.
Catalog # AT1431a

Specification

CD177 Antibody (monoclonal) (M01) - Product Information

Application	**IP, WB, IHC, E**
Primary Accession	Q8N6Q3
Other Accession	BC029167
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**46363**

CD177 Antibody (monoclonal) (M01) - Additional Information

Gene ID 57126

Other Names
CD177 antigen, Human neutrophil alloantigen 2a, HNA-2a, NB1 glycoprotein, NB1 GP, Polycythemia rubra vera protein 1, PRV-1, CD177, CD177, NB1, PRV1

Target/Specificity
CD177 (AAH29167, 21 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
CD177 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

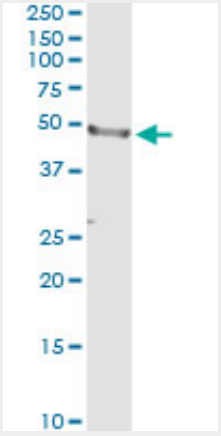
CD177 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

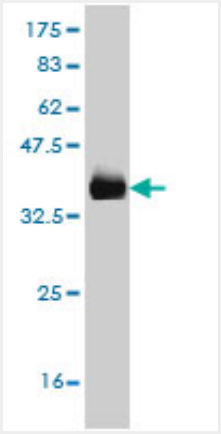
- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD177 Antibody (monoclonal) (M01) - Images

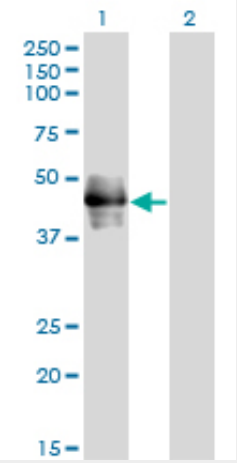


Immunoprecipitation of CD177 transfected lysate using anti-CD177 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with CD177 MaxPab rabbit polyclonal antibody.



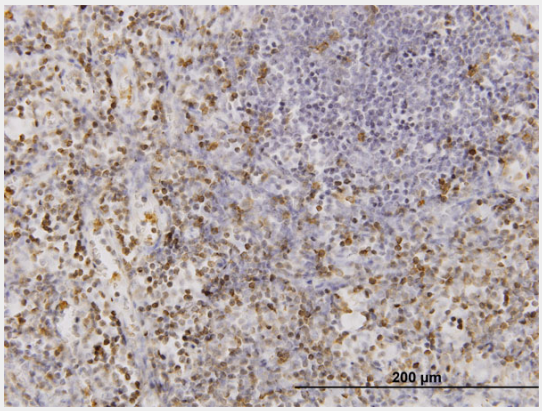
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .

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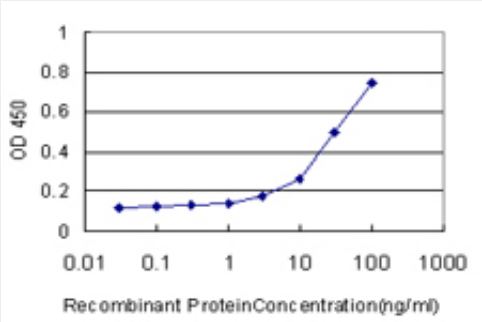


Western Blot analysis of CD177 expression in transfected 293T cell line by CD177 monoclonal antibody (M01), clone 4C4.

Lane 1: CD177 transfected lysate(46.4 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to CD177 on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged CD177 is approximately 3ng/ml as a capture antibody.

CD177 Antibody (monoclonal) (M01) - Background

NB1, a glycosyl-phosphatidylinositol (GPI)-linked N-glycosylated cell surface glycoprotein, was first described in a case of neonatal alloimmune neutropenia (Lalezari et al., 1971 [PubMed 5552408]).

CD177 Antibody (monoclonal) (M01) - References

1.Gene expression analysis of a Helicobacter pylori-infected and high-salt diet-treated mouse gastric tumor model: identification of CD177 as a novel prognostic factor in patients with gastric cancer.Toyoda T, Tsukamoto T, Yamamoto M, Ban H, Saito N, Takasu S, Shi L, Saito A, Ito S, Yamamura Y, Nishikawa A, Ogawa K, Tanaka T, Tatematsu MBMC Gastroenterol. 2013 Jul 30;13(1):122.

CD177 Antibody (monoclonal) (M01) - Citations

- Tumour-infiltrating neutrophils counteract anti-VEGF therapy in metastatic colorectal cancer.