

**ASL Antibody (monoclonal) (M01)**  
**Mouse monoclonal antibody raised against a full length recombinant ASL.**  
**Catalog # AT1214a**

## Specification

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### ASL Antibody (monoclonal) (M01) - Product Information

Application	IF, WB
Primary Accession	<a href="#">P04424</a>
Other Accession	<a href="#">BC008195</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	51658

### ASL Antibody (monoclonal) (M01) - Additional Information

**Gene ID** 435

**Other Names**

Argininosuccinate lyase, ASAL, Arginosuccinase, ASL

**Target/Specificity**

ASL (AAH08195, 1 a.a. ~ 464 a.a) full-length 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**

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

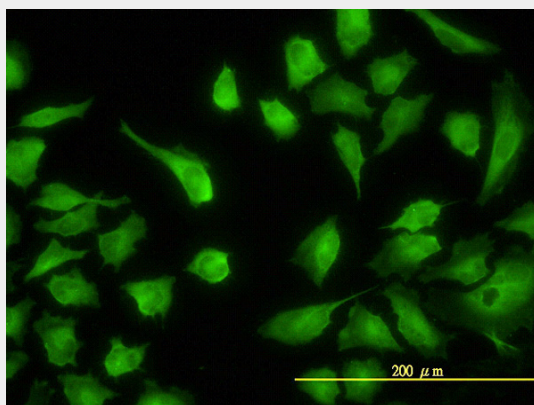
### ASL Antibody (monoclonal) (M01) - Protocols

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

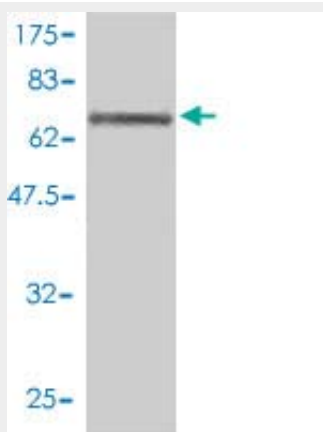
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

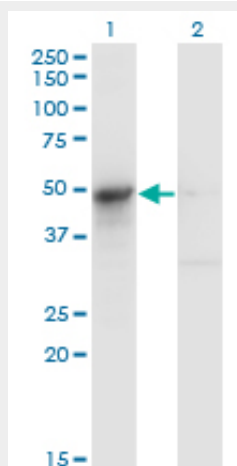
## ASL Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to ASL on HeLa cell. [antibody concentration 5 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (76.78 kDa) .



Western Blot analysis of ASL expression in transfected 293T cell line by ASL monoclonal antibody

(M01), clone 4C5-1F2.

Lane 1: ASL transfected lysate(51.7 KDa).

Lane 2: Non-transfected lysate.

### **ASL Antibody (monoclonal) (M01) - Background**

This gene encodes a member of the lyase 1 family. The encoded protein forms a cytosolic homotetramer and primarily catalyzes the reversible hydrolytic cleavage of argininosuccinate into arginine and fumarate, an essential step in the liver in detoxifying ammonia via the urea cycle. Mutations in this gene result in the autosomal recessive disorder argininosuccinic aciduria, or argininosuccinic acid lyase deficiency. A nontranscribed pseudogene is also located on the long arm of chromosome 22. Alternatively spliced transcript variants encoding different isoforms have been described.

### **ASL Antibody (monoclonal) (M01) - References**

1.Epigenetic status of argininosuccinate synthetase and argininosuccinate lyase modulates autophagy and cell death in glioblastoma.Syed N, Langer J, Janczar K, Singh P, Lo Nigro C, Lattanzio L, Coley HM, Hatzimichael E, Bomalaski J, Szlosarek P, Awad MCell Death Dis. 2013 Jan 17;4:e458. doi: 10.1038/cddis.2012.197.