

ST14 Antibody (monoclonal) (M05)**Mouse monoclonal antibody raised against a partial recombinant ST14.****Catalog # AT4050a****Specification**

ST14 Antibody (monoclonal) (M05) - Product Information

| | |
|-------------------|---------------------------|
| Application | E |
| Primary Accession | O9Y5Y6 |
| Other Accession | NM_021978 |
| Reactivity | Human |
| Host | mouse |
| Clonality | Monoclonal |
| Isotype | IgG2a Kappa |
| Calculated MW | 94770 |

ST14 Antibody (monoclonal) (M05) - Additional Information**Gene ID** 6768**Other Names**

Suppressor of tumorigenicity 14 protein, Matriptase, Membrane-type serine protease 1, MT-SP1, Prostamin, Serine protease 14, Serine protease TADG-15, Tumor-associated differentially-expressed gene 15 protein, ST14, PRSS14, SNC19, TADG15

Target/Specificity

ST14 (NP_068813, 298 a.a. ~ 400 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

E~~N/A

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

ST14 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

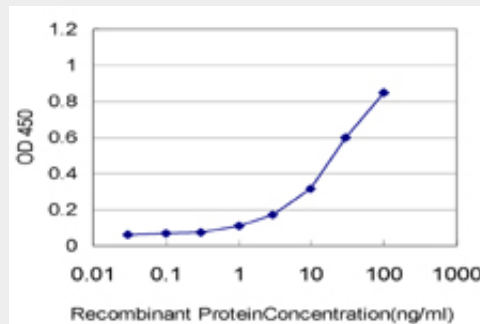
ST14 Antibody (monoclonal) (M05) - Protocols

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](#)

ST14 Antibody (monoclonal) (M05) - Images



Detection limit for recombinant GST tagged ST14 is approximately 1ng/ml as a capture antibody.

ST14 Antibody (monoclonal) (M05) - Background

The protein encoded by this gene is an epithelial-derived, integral membrane serine protease. This protease forms a complex with the Kunitz-type serine protease inhibitor, HAI-1, and is found to be activated by sphingosine 1-phosphate. This protease has been shown to cleave and activate hepatocyte growth factor/scattering factor, and urokinase plasminogen activator, which suggest the function of this protease as an epithelial membrane activator for other proteases and latent growth factors. The expression of this protease has been associated with breast, colon, prostate, and ovarian tumors, which implicates its role in cancer invasion, and metastasis.

ST14 Antibody (monoclonal) (M05) - References

1. Novel surface targets and serum biomarkers from the ovarian cancer vasculature. Sasaroli D, Gimotty PA, Pathak HB, Hammond R, Kougioumtzidou E, Katsaros D, Buckanovich R, Devarajan K, Sandaltzopoulos R, Godwin AK, Scholler N, Coukos G. *Cancer Biol Ther*. 2011 Aug 1;12(3):169-80. Epub 2011 Aug 1.