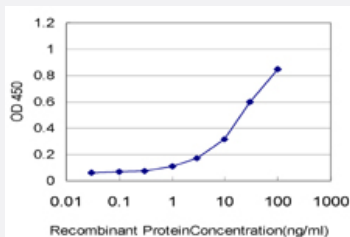


ST14 monoclonal antibody (M05), clone 2F4

Catalog # H00006768-M05

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ST14.
Immunogen	ST14 (NP_068813, 298 a.a. ~ 400 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PPSYNLTFHSSQNVLLITLITNERRHPGFEEATFFQLPRMSSCGGRLRKAQGTFNSPYYPGHYPNI DCTWNIEVPNNQHVKVRKFFYLLEPGVPAGTCPKD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79); Rat (79)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — ST14

Entrez GeneID [6768](#)

GeneBank Accession# [NM_021978](#)

Protein Accession# [NP_068813](#)

Gene Name ST14

Gene Alias HAI, MT-SP1, MTSP-1, MTSP1, PRSS14, SNC19, TADG-15

Gene Description suppression of tumorigenicity 14 (colon carcinoma)

Omim ID [606797 610765](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 heparocyte 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. [provided by RefSeq]

Other Designations epithin|matriptase|membrane-type serine protease|serine protease TADG-15|suppression of tumorigenicity 14|suppression of tumorigenicity 14 (colon carcinoma, matriptase, epithin)|tumor associated differentially expressed gene 15 protein

Publication Reference

- [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 Biology & Therapy 2011 Aug; 12(3):169.

Application: IF, IHC, Human, Human ovarian cancer

Disease

- [Tobacco Use Disorder](#)