

SI-CLP / Chitinase Domain Containing 1 (CHID1) Antibody

Mouse Monoclonal Antibody [Clone CHID1/6368]

Catalog No	Format	Size
66005-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
66005-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
66005-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

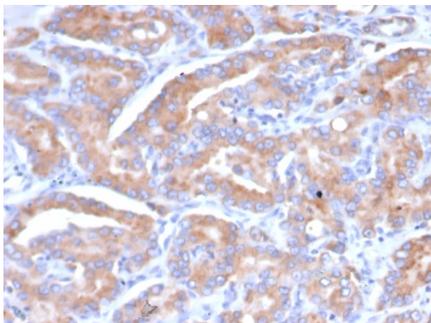
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

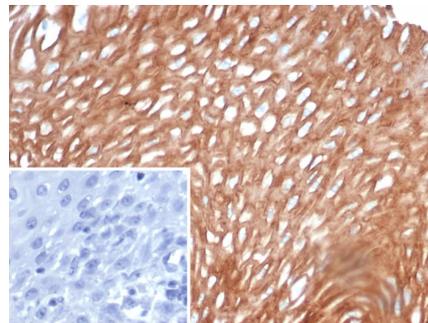
Clone	CHID1/6368
Gene Name	CHID1
Immunogen	Recombinant full-length human CHID1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	42-48kDa
Cellular Localization	Secreted. Lysosome.
Species Reactivity	Human
Positive Control	colon HeLa cells. Human fetal gut liver or heart.

*Optimal dilution for a specific application should be determined.

Product Images for SI-CLP / Chitinase Domain Containing 1 (CHID1) Antibody



Formalin-fixed, paraffin-embedded human prostate stained with SI-CLP /CHID1 Mouse Monoclonal Antibody (CHID1/6368) HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded human esophagus stained with SI-CLP / CHID1 Mouse Monoclonal Antibody (CHID1/6368) Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

SI-CLP (stabilin-1 interacting chitinase-like), also known as CHID1 (chitinase domain-containing protein 1), is a 393 amino acid secreted protein that belongs to the glycosyl hydrolase 18 family. SI-CLP interacts with STAB1 and localizes to lysosome in cells of monocytic, T, B and epithelial origin. SI-CLP is a saccharide- and LPS-binding protein with possible roles in pathogen sensing and endotoxin neutralization. Ligand-binding specificity relates to the length of the oligosaccharides, with preference for chitotetraose (in vitro). The SI-CLP protein is up-regulated by IL4/interleukin-4 and dexamethasone in the macrophages, and is also up-regulated by glucocorticoid. Existing as three alternatively spliced isoforms, the SI-CLP gene is conserved in chimpanzee, canine, bovine, mouse, rat, chicken, zebrafish, fruit fly, mosquito, *A. thaliana* and rice, and maps to human chromosome 11p15.5.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
