

Goat anti-Mcpt4 / Myonase (mouse) Antibody

Item Number	dAP-1731
Target Molecule	Principle Name: Mcpt4 / Myonase (mouse); Official Symbol: Mcpt4; All Names and Symbols: Mcpt4; mast cell protease 4; MMCP-4; MMCP-4A; MMCP-4B; Mcp-4; myonase; Accession Number (s): NP_034909.2; Human Gene ID(s): ; Non-Human GenID(s): 17227 (mouse)
Immunogen	KLQKKAKETPSVN, is from internal region
Applications	Pep ELISA, IHC Species Tested: Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Preliminary experiments gave bands at approx. 40kDa and 15kDa in Mouse Skeletal Muscle lysates after 0.01µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the
IHC	Immunohistochemistry: Paraffin embedded Mouse Skeletal Muscle. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Kitaura-Inenaga K, Hara M, Higuchi K, Yamamoto K, Yamaki A, Ono K, Nakano A, Kinoshita M, Sasayama S, Matsumori A. Gene expression of cardiac mast cell chymase and tryptase in a murine model of heart failure caused by viral myocarditis. Circ. J. 2003 Oct 67 (10): 881-4.. PMID: 14578624->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**