

Mouse Mrc2 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF4789

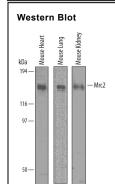
DESCRIPTION	
Species Reactivity	Mouse
Specificity	Detects mouse Mrc2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 25% cross-reactivity with recombinant human Mrc2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Mrc2 Ala31-Ala1413 Accession # AAI16643
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Mouse Mrc2 by Western Blot. Western blot shows lysates of mouse heart, lung, and kidney tissue. PVDF membrane was probed with 1 µg/mL of Sheep Anti-Mouse Mrc2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4789) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for Mrc2 at approximately 170-180 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Mrc2 (macrophage mannose receptor 2; also uPARAP/Endo180) is a 180 kDa member of the mannose receptor family. It is found on fibroblasts, macrophages and endothelial cells. Mrc2 binds and internalizes glycoproteins plus collagen types I and IV. Mouse Mrc2 is a type I transmembrane glycoprotein that is 1479 amino acids (aa) in length. It possesses a 1383 aa extracellular domain (ECD) (aa 31-1479) and a short 45 aa cytoplasmic tail. The ECD contains eight C-type lectin domains plus one fibronectin type II domain (aa 181-229) that binds collagen. There are two splice variants, one which shows an eight aa substitution for aa 173-1479, and a second that shows a 72 aa substitution for aa 982-1479. Over aa 311-413, mouse Mrc2 shares 91% and 97% aa identity with human and rat Mrc2, respectively.

Rev. 2/6/2018 Page 1 of 1

