Mouse Mrc2 Alexa Fluor® 532-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4789X
100 µg

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
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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