

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Mrc2 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse Mrc2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Mrc2 Cys800-Ala1059 Accession # Q9UBG0
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.
Immunohistochemistry	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 (C-type Mannose Receptor 2; also MMR2, Endocytic Receptor 180 and uPARAP) is a 180-200 kDa member of the macrophage mannose receptor family of proteins. It is widely expressed, being found on fibroblasts, monocytes/macrophages, endothelial cells, keratinocytes and myoepithelial cells. It binds the carbohydrates Man, Fuc and NAcGlc, type V collagen, and pro-uPA. Mature human Mrc2 is a 1449 amino acid (aa) type I transmembrane protein. It contains a 1384 aa extracellular region and a 44 aa cytoplasmic domain. The extracellular region shows one ricin B-type lectin domain (aa 41-167), one fibronectin type II domain (aa 182-230) and eight C-type lectin domains (aa 244-1393). Over aa 800-1059, human Mrc2 shares 87% aa identity with mouse Mrc2.

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