

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Endomucin in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human Endomucin-2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse Endomucin Glu21-Glu90 Accession # Q9R0H2
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	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

Endomucin (endothelial sialomucin; also Endomucin-1/2 and Mucin-14) is an 80-120 kDa glycoprotein member of the Endomucin family of proteins. It is expressed on endothelial cells and depending upon its glycosylation pattern, can serve as either a pro- or anti-adhesive molecule. Mouse Endomucin precursor is 261 amino acids in length. It is type I transmembrane protein that contains a 170 aa extracellular domain (ECD) (aa 21-190) and a 50 aa cytoplasmic region. Three splice variants exist in the ECD. One shows a deletion of aa 91-141, a second shows a one aa substitution for aa 91-129, and a third shows a one aa substitution for aa 129-142. Over aa 21-90, mouse Endomucin shares 60% and 30% aa identity with rat and human Endomucin, respectively.

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