

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse and rat EMP/MAEA in Western blots. Detects recombinant human EMP/MAEA in direct ELISAs.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human EMP/MAEA Met12-Ser66 Accession # Q7L5Y9
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.
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

EMP (erythroblast macrophage protein), also called MAEA (macrophage-erythroblast attacher), is a 36-45 kDa membrane-associated protein in macrophages and erythroblasts within erythroblastic islands. EMP is essential to the process of nuclear extrusion in the transition of erythroblasts to reticulocytes. Within the region used as an immunogen, human EMP shares 98% amino acid (aa) sequence identity with mouse and rat EMP. Four potential isoforms of the canonical 396 aa form encode 360, 355, 328 and 245 aa, with insertions and deletions occurring after aa 150.

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