

Mouse Macrophage erythroblast attacher (MAEA) ELISA Kit

Catalog No: #EK9976

Package Size: #EK9976-1 48T #EK9976-2 96T

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Description

Product Name	Mouse Macrophage erythroblast attacher (MAEA) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	EMLP; EMP; HLC-10; PIG5; erythroblast macrophage protein lung cancer-related protein 10 proliferation-inducing gene 5
Accession No.	Q4VC33
Uniprot	Q4VC33
GeneID	59003;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich**Test principle:**This assay employs a two-site sandwich ELISA to quantitate MAEA in samples. An antibody specific for MAEA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAEA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAEA is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MAEA bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Macrophage Erythroblast Attacher mediates the attachment of erythroblasts to macrophages. This attachment promotes terminal maturation and enucleation of erythroblasts, presumably by suppressing apoptosis. This protein is an integral membrane protein with the N-terminus on the extracellular side and the C-terminus on the cytoplasmic side of the cell. Two immunologically related isoforms of erythroblast macrophage protein with apparent molecular weights of 33 kD and 37 kD were detected in macrophage membranes; this gene encodes the larger isoform. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene, but the biological validity of some variants has not been determined.

Note: This product is for in vitro research use only