

Mouse Erythrocyte membrane protein ELISA Kit | EMP elisa kit

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CATALOG #
AAA87437

REACTIVITY
Mouse

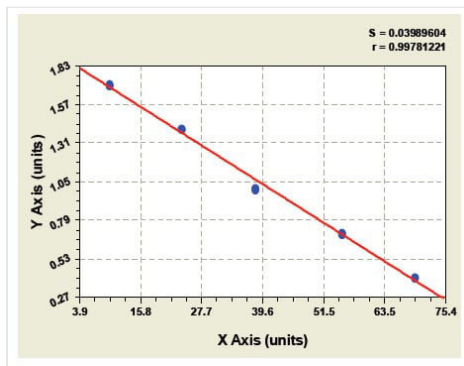
PRODUCT SYNONYMS

Erythrocyte membrane protein; Mouse Erythrocyte membrane protein ELISA Kit; EMP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This EMP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse EMP. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EMP elisa kit

Principle of the Assay: EMP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-EMP antibody and an EMP-HRP conjugate. The assay sample and buffer are incubated together with EMP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the EMP concentration since EMP from samples and EMP-HRP conjugate compete for the anti-EMP antibody binding site. Since the number of sites is limited, as more sites are occupied by EMP from the sample, fewer sites are left to bind EMP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EMP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	951198
Molecular Weight	69,455 Da
NCBI Official Full Name	erythrocyte membrane protein
UniProt Protein Name	Erythrocyte membrane protein band 4.2
UniProt Gene Name	EPB42
UniProt Synonym Gene Names	E42P; Erythrocyte protein 4.2; P4.2
UniProt Entry Name	EPB42_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/emp-mouse-elisa-kits/erythrocyte-membrane-protein/87437>