

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GFER/ALR in ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 829812
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human GFER/ALR Arg82-Asp205 Accession # P55789
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.
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

GFER, also known as Augmenter of Liver Regeneration (ALR) and Hepatopoietin, is an approximately 30 kDa mitochondrial sulfhydryl oxidase that plays a role in protein disulfide bond formation. Alternative splicing of human GFER generates a 15 kDa secreted isoform that lacks the 80 N-terminal amino acids. Within aa 82-205, human GFER shares approximately 86% aa sequence identity with mouse and rat GFER. GFER protects hepatocytes from toxin-induced damage, promotes hepatic regeneration, and inhibits the metastasis of hepatocellular carcinoma. It also restricts the proliferation of pluripotent and hematopoietic stem cells and maintains mitochondrial integrity.

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