

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IGF-I/IGF-1 in ELISAs and Western blots. In ELISAs, this antibody does not cross-react with recombinant mouse (rm) IGF-I/IGF-1, rmIGF-II/IGF-2, or recombinant human IGF-II/IGF-2.
Source	Monoclonal Mouse IgG ₁ Clone # 56408
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human IGF-I/IGF-1 Gly49-Ala118 Accession # P01343
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Western Blot	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

IGF-I/IGF-1 belongs to the family of insulin-like growth factors and circulates in complex with IGF binding proteins. It is a potent mitogenic growth factor that binds the heteromeric type I and type II IGF receptors. Essentially, all of the biological activities of IGF-I/IGF-1 are mediated by IGF-I R.

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