

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human β -1 Adrenergic R/ADRB1 in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2203D
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human β -1 Adrenergic R/ADRB1 Accession # P08588
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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

The beta-1 Adrenergic Receptor (ADRB1) is a 477 aminoacids long and seven-transmembrane domain protein that belongs to the G protein-coupled receptor (GPCR) 1 family. The adrenergic receptors, including ADRB1, are a prototypic family of guanine nucleotide binding regulatory protein-coupled receptors that mediate the physiological effects of the hormone epinephrine and the neurotransmitter norepinephrine. ADRB1 binds epinephrine and norepinephrine with approximately equal affinity. ADRB1 is localized at the plasma membrane. It is also found in the Golgi upon Golgi-associated PDZ and coiled-coil motif-containing protein (GOPC) overexpression.

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