

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human V1a Vasopressin R/AVPR1A in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 612130
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human V1a Vasopressin R/AVPR1A Accession # P37288
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and 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.

Flow Cytometry	Titration recommended for optimal concentration with starting range of 0.1-1 µg/1 million cells. Sample used for this experiment was HEK293 Human Cell Line Transfected with Human V1a Vasopressin R/AVPR1A and eGFP
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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

AVPR1A acts as a receptor for arginine vasopressin and belongs to the subfamily of G protein-coupled receptors which includes AVPR1B, V2R and OXT receptors. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. AVPR1A mediates cell contraction and proliferation, platelet aggregation, release of coagulation factor and glycogenolysis. AVPR1A may be involved in social behaviors, including affiliation and attachment.

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