



Human V1a Vasopressin Receptor Membranes

Catalog # A149; Batch 715

SPECIFICATIONS: **Bmax for [³H] 8-AVP binding:** 3 pmol/mg protein
Host cell: CHO-K1
GenBank Accession Number: AY322550

BACKGROUND: The pituitary hormone vasopressin (AVP) is a cyclic nonapeptide that acts by binding to a family of vasopressin receptors that includes the V1a, V1b, and V2 receptors. V1a receptors have been shown to be expressed in vascular smooth muscle, hepatocytes, various blood cells, brain, and retina. These receptors mediate cell proliferation, platelet aggregation, coagulation factor release and glycogenolysis.

REPRESENTATIVE DATA:

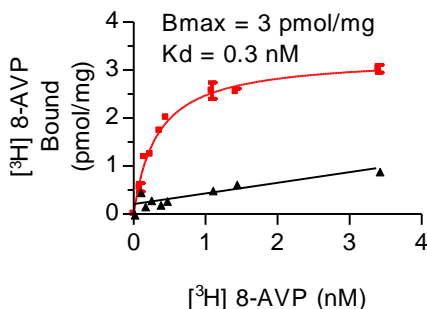


Figure 1. Radioligand binding to membranes from cells expressing hV1a receptor. A crude P1 membrane fraction was made from cells expressing the hV1a receptor. Membranes were incubated with the indicated concentrations of [³H]-8AVP alone (red squares) or along with 8 μM unlabeled 8-AVP to measure non-specific binding. After incubation, membranes were filtered over GF/B filters and counted. Data represent the average of duplicate determinations.

STORAGE RECOMMENDATIONS: Storage at -80°C is recommended. Repeated freeze-thawing of this product is not recommended.

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