



Human V1b Vasopressin Receptor Membranes

Catalog # A150; Batch 699

SPECIFICATIONS: **Bmax for [³H]8-AVP binding:** 7 pmol/mg protein
Host cell: CHO-K1
GenBank Accession Number: NM_000707.2

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. V1b receptors are expressed in the anterior pituitary where they mediate ACTH release. Selective V1b antagonists have been shown to have anxiolytic and antidepressant effects.

REPRESENTATIVE DATA:

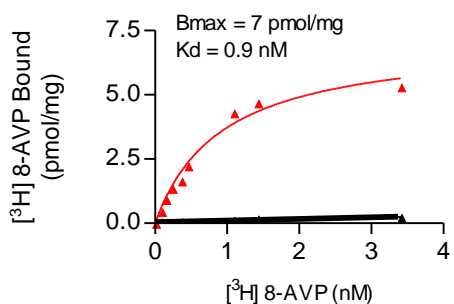


Figure 1. Radioligand binding to membranes from cells expressing hV1b receptor. A crude P1 membrane fraction was made from cells expressing the hV1b receptor. Membranes were incubated with the indicated concentrations of [³H]-8AVP alone (red circles) or along with 8 μM unlabeled 8-AVP to measure non-specific 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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