

Chemiscreen[™] MEMBRANE PREPARATION WILD-TYPE CHEM-2

CATALOG NUMBER:	HTS000MC2	QUANTITY:	1 mL
LOT NUMBER:		CONCENTRATION:	0.5 mg/mL

BACKGROUND: Chem-2 cells are a suspension cell line endogenously overexpressing G_{α16} that is used as a host for Chemicon's ChemiScreen[™] GPCR Membrane Preparations. Chemicon's ChemiScreen[™] Wild-Type Chem-2 Membrane Preparations are ideal controls for validation of radioligand binding assays employing ChemiScreen[™] GPCR Membrane Preparations in the Chem-2 host cell line.

APPLICATIONS: Negative control in radioligand binding assay

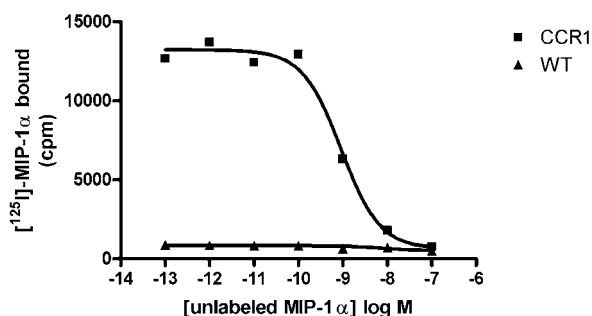


Figure 1. Competition binding of MIP-1α to CCR1 Membrane Preparations. CCR1 Membrane Preparation (catalog # HTS005M) or Wild-Type Chem-2 Membrane Preparation (catalog # HTS000MC2) at 10 μg/well were incubated with 0.1 nM [¹²⁵I]-MIP-1α and increasing concentrations of unlabeled MIP-1α. Greater than 10-fold signal to background was obtained with the CCR1 Membrane Preparation, whereas negligible signal was obtained with the Wild-Type Chem-2 Membrane Preparation.

HOST CELLS: Chem-2

TRANSFECTION: none

PRESENTATION: Membranes were adjusted to 0.5 mg protein/ml in 50 mM Tris pH 7.4, 10% glycerol and 1% BSA, rapidly frozen, and stored at -80°C. Use at the same protein concentration as the ChemiScreen[™] GPCR Membrane Preparations of interest.

STORAGE/HANDLING: Maintain frozen at -70°C for up to 2 years. Do not freeze and thaw.

For research use only; not for use as a diagnostic.

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

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