UR-144 x HRP conjugate

Cat. #8502 Lot Q0107

LIMITATIONS: THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT APPROVED FOR THERAPEUTIC OR DIAGNOSTIC USE.

Background:
The Tulip Biolabs, Inc. UR-144 x HRP conjugate, Cat. #8502, is the synthetic cannabinoid UR-144 covalently conjugated to horseradish peroxidase (HRP). It has been used in conjunction with Cat. #1083 Anti-UR144/XLR11 (K2/spice) sheep IgG to make a competitive ELISA to test the presence of UR144/XLR11 metabolites in samples such as human urine. The complete ELISA kit is available from Tulip Biolabs, Cat. #4500.

Composition:
UR-144 conjugated to horseradish peroxidase (HRP).

Supplied As:
0.5 mL in a BSA-stabilizing buffer containing a preservative.

Storage and Stability:
Stable for at least 3 months from date of shipment when stored at 4˚C. For long-term storage, aliquot and freeze at -70˚C. Avoid freeze/thaw cycles.

CAUTION: ***Sodium azide inactivates the peroxidase activity of this product. Do not use in any buffers!***

Specificity and Comments:
Useful in conjunction with Cat. #1083 Anti-UR144/XLR11 (K2/spice) sheep IgG as components of a competitive ELISA.

Applications and Suggested Dilutions:
ELISA (1/1000 dilution in stabilizing buffer)
Note: This conjugate is used in the Cat. #4500 UR144/XLR11 (K2/Spice) ELISA kit.

Please note: This information is intended as a guide. The optimal dilutions must be determined by the user.

Tulip BioLabs Other Related Products:

Cat. #4500
UR-144/XLR-11 (K2/Spice) Synth Cannabinoids ELISA Kit.
Cat. #1083
Anti-UR144/XLR11 (K2/Spice) Synth Cannabinoid, IgG
Cat. #8302
JWH-018 x HRP conjugate
Cat. #8402
JWH-250 x HRP conjugate
Cat. #8602
PB-22 x HRP conjugate
Cat. #8702
AKB48 x HRP conjugate

Original Reference:
This product was developed at Tulip Biolabs, Inc.

Useful References:
A. Arntson *et al*. (2013) *J. Analyt. Toxicol.* **37** 284
J.W. Huffman and D. Dai (1994) *Bioorg Med Chemistry* **4** 563
S. Dresen *et al.* (2010) *J Mass Spectrometry* **45** 760
M. Hutter *et al.* (2012) *J Mass Spectrometry* **47** 54
A. Wohlfarth *et al.* (2013) *Anal Chem* **85** 3730

Tulip BioLabs, Inc.
P.O. Box 334, West Point, PA 19486 USA
Tel/Fax 610.584.2706 info@tulipbiolabs.com
www.tulipbiolabs.com