

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