

**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