

JWH-250 x HRP conjugate**Cat. #8402 Lot Q0106**

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

Background:

The Tulip Biolabs, Inc. JWH-250 x HRP conjugate, Cat. #8402, is the synthetic cannabinoid JWH-250 covalently conjugated to horseradish peroxidase (HRP). It has been used in conjunction with Cat. #1072 Anti-JWH-250 (K2/spice) rabbit IgG to make a competitive ELISA to test the presence of JWH-250 metabolites in samples such as human urine (see Arntson *et al*, 2013). The complete ELISA kit is available from Tulip Biolabs, Cat. #4400.

Composition:

JWH-250 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. #1072 Anti-JWH-250 (K2/spice) rabbit 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. #4400 JWH-250 (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. #4400

JWH-250 (K2/Spice) Synth Cannabinoids ELISA Kit.

Cat. #1072

Anti-JWH-250 (K2/Spice) Synth Cannabinoid, IgG

Cat. #8302

JWH-018 x HRP conjugate

Cat. #8502

UR-144 x HRP conjugate

Cat. #8602

PB-22 x HRP conjugate

Cat. #8702

AKB48 x HRP conjugate

Original Reference:

A. Arntson *et al.* (2013) *J. Analyt. Toxicol.* **37** 284

Note: This product was developed at Tulip Biolabs, Inc.

Useful References:

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