UR144/XLR11, Synthetic Cannabinoids Polyclonal Antibody

ALTERNATE NAMES: CB, CX5

CATALOG #: 6207-200

AMOUNT: 200 µg

HOST: Sheep

ISOTYPE: IgG

PURIFICATION: Protein G chromatography

IMMUNOGEN: UR-144 conjugated to a carrier protein.

FORM: Liquid

FORMULATION: 2 mg/ml of sheep IgG in phosphate buffered saline with 0.05% sodium azide preservative.

SPECIFICITY: Recognizes the synthetic cannabinoids UR-144 and XLR-11 and several of their metabolites.

STORAGE CONDITIONS: Stable for 1 year from date of shipment when stored at -20 or -70°C. Stable for at least 1 month at 4°C. Avoid freeze/thaw cycles.

DESCRIPTION: Cannabinoids are a class of diverse chemical compounds that activate cannabinoid receptors on cells that repress neurotransmitter release in the brain. They are active chemicals in Cannabis that cause drug-like effects throughout the body, including the central nervous system and the immune system. Anti-UR144/XLR11 is a sheep polyclonal IgG antibody. It has been used in a competitive ELISA format to test the presence of UR-144 and XLR-11 and their metabolites in samples such as urine, whole blood, serum, and plasma (see Arntson et al, 2013). Note: If this antibody is used in an immunoassay to detect synthetic cannabinoids, suspect test samples must be confirmed using an alternative analytical method, for example LC-MS-MS.

APPLICATION: ELISA (for 96-well plate coating use 1-3 µg/mL). Other methods not tested.

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

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

RELATED PRODUCTS:

- K2/Spice, Synthetic Cannabinoids Polyclonal Antibody **(Cat. No. 6205-200)**
- JWH-250, Synthetic Cannabinoid Polyclonal Antibody **(Cat. No. 6206-200)**

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