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Datasheet for ABIN4885999
BLK ELISA Kit

Overview

Quantity: 96 tests

Target: BLK

Binding Specificity: pTyr

Reactivity: Human

Method Type: Sandwich ELISA

Application: ELISA

Product Details

Purpose: Custom Human Phosphotyrosine BLK ELISA Kit. This assay semi-quantitatively measures phosphotyrosine BLK in lysate samples.

Sample Type: Cell Lysate, Tissue Lysate

Analytical Method: Semi-Quantitative

Detection Method: Colorimetric

Specificity: The antibody pair provided in this kit recognizes Human Tyrosine-Phosphorylated-BLK.

Characteristics:

- Rapidly measure phosphorylated protein in lysates
- Screen numerous different cell lysates without performing a Western Blot analysis
- Minimal hands-on time, convenient, and non-radioactive material

Components:

- Pre-Coated 96-well Strip Microplate
- Wash Buffer
- Biotinylated Anti-Phosphotyrosine Antibody
- Stop Solution

Product Details

- Assay Diluent(s)
- Positive Control Sample
- Lysis Buffer
- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

Material not included:

- Distilled or deionized water
- 100 mL and 1 liter graduated cylinders
- Tubes to prepare sample dilutions
- Protease and Phosphatase inhibitors
- Precision pipettes to deliver 2 μ L to 1 mL volumes
- Adjustable 1-25 mL pipettes for reagent preparation
- Benchtop rocker or shaker
- Microplate reader capable of measuring absorbance at 450 nm

Target Details

Target: BLK

Alternative Name: BLK ([BLK Products](#))

Gene ID: 1057

UniProt: [P51451](#)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [CXCR4-mediated Signaling Events](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Sample Volume: 100 μ L

Plate: Pre-coated

Protocol:

1. Prepare all reagents and samples as instructed in the manual.
2. Add 100 μ L of sample or positive control to each well.
3. Incubate 2.5 h at RT or O/N at 4 $^{\circ}$ C.
4. Add 100 μ L of prepared primary antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 μ L of prepared 1X HRP-Streptavidin to each well.
7. Incubate 1 h at RT.
8. Add 100 μ L of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 μ L of Stop Solution to each well.

Application Details

11. Read at 450 nm immediately.

Restrictions: For Research Use only

Handling

Storage: -20 °C

Storage Comment: Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.

Expiry Date: 6 months
