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## DATA SHEET

### Human Osteoblast Characterization Cell Based Assay Kit

**Catalog number:** K36043-13

#### **Description:**

Human Osteoblast Characterization Cell Based Assay Kit, with reagents to perform ELISA based assay in a 96 well format. This assay format may be used to assess stem cell differentiation status or effect of stimulation and/or inhibition of compounds and ligands on target molecules directly associated with stem cell differentiation or maintenance of stem cells in their un-differentiation stage.

Cells are grown in 96-well plates pre-coated with extracellular matrix and may be stimulated with ligands and/or incubated with inhibitors. Cells are then fixed and permeabilized in the wells. The status of target protein in response to treatment is analyzed using an immune-enzymatic labeling procedure.

The cells are incubated with one primary antibody: A rabbit or mouse monoclonal antibody specific for the protein of interest.

After washing away unbound antibodies, anti-rabbit and or anti-mouse secondary antibodies labeled with horseradish-peroxidase (HRP) or alkaline phosphatase (AP), respectively, and two spectrally distinct fluorogenic substrates for either HRP or AP may be used for detection.

For the complete Kit it comes with T25 Plated Cells and 1 x 100ml bottle of Media in addition to the ELISA reagents.

**Storage Conditions:** -20 °C for primary Antibody, 2-8°C for other components.

**Product Orders:** Before submitting an order you will be asked to read and accept the terms and conditions of Celprogen's Material Transfer Agreement (MTA).

**Permits & Forms:** In addition to the MTA mentioned above, other CELPROGEN and/or regulatory permits may be required for the transfer of this CELPROGEN material. Anyone purchasing CELPROGEN material is ultimately responsible for obtaining the permits.

#### **Notices & Disclaimers:**

*CELPROGEN products are intended for laboratory research purposes only. They are not intended for use in humans.* The product, Human Osteoblast Characterization Cell Based Assay Kit, is established and manufactured by CELPROGEN Inc., for Research use only. This product is not for re-sale or may not be transferred to a third party prior to written request and approval by CELPROGEN Inc.