Mouse Transcription factor MafB (MAFB) ELISA Kit

Catalog No: #EK9967

Package Size: #EK9967-1 48T #EK9967-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Transcription factor MafB (MAFB) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	KRML; MGC43127; Kreisler maf-related leucine zipper homolog|MAFB/Kreisler basic region/leucine zipper transcription factor|OTTHUMP00000031698|transcription factor MAFB
Accession No.	P54841
Uniprot	P54841
GeneID	16658;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.31-20 ng/mL

Sensitivity:0.156 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MAFB in samples. An antibody specific for MAFB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAFB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAFB is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MAFB bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:MAFB is a basic leucine zipper (bZIP) transcription factor that plays an important role in the regulation of lineage-specific hematopoiesis. The encoded nuclear protein represses ETS1-mediated transcription of erythroid-specific genes in myeloid cells. This gene contains no introns.The common deduced protein contains 323 amino acids and has a calculated molecular mass of 35.8 kD. MAFB has a pro-ser-thr-rich acidic transcriptional activation domain at its N terminus, followed by 2 histidine repeats, an extended homology region, a basic DNA-binding domain, and a C-terminal leucine zipper domain containing hydrophobic residues that form the zipper heptad repeats (LLLLYL). MAFB shares 85% amino acid identity with its murine homolog. Northern blot analysis detected ubiquitous expression of MAFB.

Note: This product is for in vitro research use only