R&D SYSTEMS
a bio-techne brand

Human LMO2 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF2726

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LMO2 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human LMO2 Ser2-Ile158 Accession # P25791
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

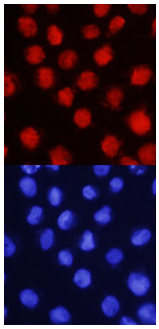
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human LMO2
Immunocytochemistry	5-15 µg/mL	See Below

DATA

Immunocytochemistry



LMO2 in K562 Human Cell Line. LMO2 was detected in immersion fixed K562 human chronic myelogenous leukemia cell line using Human LMO2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2726) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red, upper panel; Catalog # NL001) and counterstained with DAPI (blue, lower panel). Specific staining was localized to nuclei. View our protocol for Fluorescent ICC Staining of Non-adherent Cells.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

LMO2, also known as Rhombotin-2 and T-cell translocation protein-2, is a transcriptional co-factor that is required for hematopoietic and endothelial development. It contains two LIM domains that are characterized by a zinc binding, cysteine rich motif consisting of two tandemly repeated zinc fingers. LMO2 does not interact directly with DNA but is involved in the assembly of multiprotein transcription factor complexes. Human and mouse LMO2 share 99% amino acid sequence homology.

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