Human LMO2 Antibody

Monoclonal Mouse IgG_{2B} Clone # 313606

Catalog Number: MAB2726

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LMO2 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 313606
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human LMO2 Met1-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.

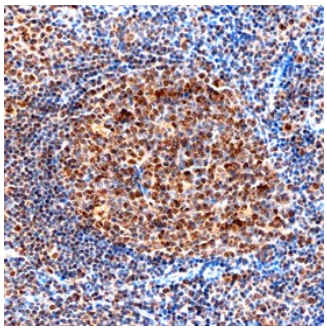
APPLICATIONS

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
Immunohistochemistry	8-25 µg/mL	See Below

DATA

Immunohistochemistry



LMO2 in Human Tonsil. LMO2 was detected in formalin fixed paraffin-embedded sections of human tonsil using Mouse Anti-Human LMO2 Monoclonal Antibody (Catalog # MAB2726) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to the nucleus. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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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