

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Dkk-1 in direct ELISAs and Western blots. Does not cross-react with recombinant human Dkk-1, -3, or -4.
Source	Monoclonal Rat IgG _{2B} Clone # 259631
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Dkk-1 Ser30-His272 Accession # O54908
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.

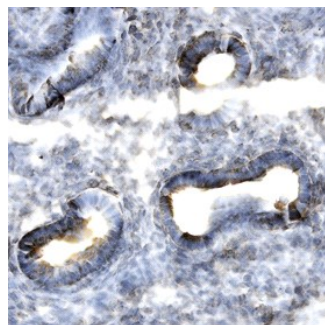
APPLICATIONS

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	1 µg/mL	Recombinant Mouse Dkk-1 (Catalog # 1765-DK) Recombinant Mouse Dkk-1 (Catalog # 5897-DK)
Immunohistochemistry	8-25 µg/mL	See Below

DATA

Immunohistochemistry



Dkk-1 in Mouse Embryo. Dkk-1 was detected in immersion fixed frozen sections of mouse embryo (15 d.p.c) using Mouse Dkk-1 Monoclonal Antibody (Catalog # MAB1765) at 25 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Rat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS017) and counterstained with hematoxylin (blue). Specific labeling was localized to the cytoplasm of epithelial cells in lung. View our protocol for [Chromogenic IHC Staining of Frozen 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. <ul style="list-style-type: none"> ● 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

Dkk-1 is a Dickkopf-related protein that inhibits Wnt signaling by binding the Wnt co-receptor LRP5/6. It also binds Kremen-1 and Kremen-2. Dkk-1 is important in embryonic development.