



Qty: 100 µg/200 µL

Mouse anti-Nectin-1

Catalog No. 37-5900

Lot No.

Mouse anti-Nectin-1

FORM

This monoclonal antibody is supplied as a 200 µL aliquot at a concentration of 0.5 mg/mL in PBS, pH 7.4, containing 0.1% sodium azide. This antibody is highly purified from mouse ascites by protein A chromatography.

CLONE: CK8

ISOTYPE: Mouse IgG₁-kappa

IMMUNOGEN

Recombinant human Nectin-1 protein.

SPECIFICITY

This antibody is specific for the ~75 kDa human nectin-1 protein.

REACTIVITY

Reactivity has been confirmed with SY5Y human neuroblastoma cells in western blot, and M3A cells (CHO cells constitutively expressing human Nectin-1, in flow cytometry).

Sample	Immuno-precipitation (native)	Flow Cytometry	Western Blotting	ELISA
Human	++	+++	++	+++
Immunogen	+++	+++	+++	+++

(Excellent +++, Good++, Poor +, No reactivity 0, Not applicable N/A, Not Determined ND)

USAGE

Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Immunoprecipitation ⁽³⁾: 5-10 µg/reaction

Western Blotting ⁽³⁾: 0.1-1 µg/mL

Flow Cytometry ⁽³⁾: 5-10 µg/mL

ELISA ⁽³⁾: 0.1-1.0 µg/mL

STORAGE

Store at 2-8°C for up to one month. Store at -20°C for long-term storage. Avoid repeated freezing and thawing.

(cont'd)

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PI375900

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BACKGROUND

Nectin-1, also called PVRL1, PRR1, Vec C, CD111, HveC and HigR, is an adhesion molecule widely expressed in cell lines of different lineages, including hematopoietic cells, neuronal cells, endothelial and epithelial cells. Nectin-1 belongs to a new family of immunoglobulin-like molecules that includes four members (Nectin-1, -2, -3 and CD155).¹ Nectin-1 gene is localized to human chromosome 11q23-q24, and encodes at least two different transmembrane isoforms. Nectin-1 is a pan-alpha herpesvirus entry receptor that mediates entry of many HSV1 and HSV-2 strains, bovine herpesvirus1 (BHV-1) and porcine pseudorabies virus (PRV).²

REFERENCES

1. Cocchi F, et al. *J Virol.* 72:9992-10002, 1998.
2. Krumpalacher C, et al. *J Virol.* 72:7064-7074, 1998.
3. Krumpalacher C, et al. *J Virol.* 74 (23):10863-10872, 2000.

RELATED PRODUCTS

Product	Conjugate	Cat. No.
Protein A	Sepharose [®] 4B	10-1041
rec-Protein G	Sepharose [®] 4B	10-1241

Conjugate	ZyMAX[™] Goat x Rabbit IgG (H+L)	ZyMAX[™] Goat x Mouse IgG (H+L)
Purified	81-6100	81-6500
FITC	81-6111	81-6511
TRITC	81-6114	81-6514
Cy [™] 3	81-6115	81-6515
Cy [™] 5	81-6116	81-6516
HRP	81-6120	81-6520
AP	81-6122	81-6522
Biotin	81-6140	81-6540

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