

## # M110-0

---

### Product Information

Catalog Number:	M110-0
Clone / Isotype:	Nyn.H3 / Rat (Wistar) IgG2a
Contents:	0.5 mg purified immunoglobulin in PBS and 0.09% (w/v) sodium azide
Concentration:	0.5 mg/ml

**For research use only, not for diagnostic or therapeutic use. This product is no medical device.**

---

**Specificity:** The Nyn.H3 antibody reacts with murine CD9 (p24), a 24-kDa single chain surface glycoprotein that is a member of the tetraspanin family<sup>1,2</sup>. CD9 is expressed on platelets and many leukocytes and has a broad tissue distribution. CD9 is involved in cell adhesion, cell migration, and integrin signaling.

**Preparation and Storage:** The antibody was purified from hybridoma cell culture supernatant by Protein G-Sepharose chromatography. Stable for six months from date of shipment when stored at 4°C. Aliquots can be stored at -20°C for at least one year. Avoid repeated freezing and thawing.

**Usage:** This preparation can be used for immunoprecipitation, immunohistochemical analysis of acetone-fixed frozen sections, and immunofluorescent staining (1-3 µg/10<sup>6</sup> platelets or cells). Nyn.H3 recognizes mouse CD9 in a Western blot analysis under non-reducing conditions<sup>3</sup>. For varying applications, appropriate dilutions must be determined individually.

**Caution:** Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer.

---

### Nyn.H3 recognizes CD9 in Western blot analysis

After separation of mouse platelet lysate by SDS-PAGE (non-reducing conditions) and transfer to PVDF membrane, the membranes were incubated with Nyn.H3 (2-5 µg/ml) and bound antibody was visualized with HRP-conjugated anti-rat IgG and ECL.



### References:

1. Jennings LK, Crossno JT Jr, Fox CF, et al. (1994) Platelet p24/CD9, a member of the tetraspanin family of proteins. *Ann N Y Acad Sci.* 18;714:175-84.
2. Maecker HT, Todd SC, Levy S. (1997) The tetraspanin superfamily: molecular facilitators. *FASEB J.* 11(6):428-42.
3. emfret Analytics. Unpublished results.