

monoclonal antibody against growth hormone receptor (GHR) REF 7263B

Description

REF 7263B is a murine IgG_{1k} monoclonal antibody recognizing human, rat, and rabbit growth hormone receptors (References 1 and 2). It is the product of the hybridoma cell line clone 263, the fusion product of NS-1 myeloma cells and Balb/c mouse spleen cells.

REF 7263B recognizes and partially blocks the growth hormone receptor binding site (Reference 4).

Preparation

7263 has been purified from mouse ascites fluid via Protein G-Sepharose column chromatography.

Presentation

1 mg of purified antibody in X.XX mL of 0.15M Phosphate Buffered Saline, with 0.1% sodium azide added.

Storage

Store at 2° - 8°C.

Applications

- Precipitation of the human growth hormone receptor (Reference 3).
- Immunohistochemical studies (Reference 6 - rat and rabbit, Reference 7 - human). Primary Incubation for formalin fixed/paraffin sections - 18 µg/mL of REF 7263 for 1 hour at room temperature

- Use as an agonist to growth hormone activity (Reference 5).
- Not recommended for use in Western Blots except with concentrated, purified GHR.

References

1. Barnard, R., *et al.* *Biochemical Journal* 1985, **231**: 459-468.
2. Asakawa, K., *et al.* *Biochemical Journal* 1986, **238**: 379-386.
3. Barnard, R., *et al.* *Journal of Endocrinology* 1989, **123**: 327-332.
4. Gobijs, K., *et al.* *Journal of Molecular Endocrinology* 1992, **9**: 213-220.
5. Carlsson, L., M., *et al.* *Proceedings of the U.S. Endocrine Society* 1994, Abstract No. 935.
6. Lobie, P. E., *et al.* *Endocrinology* 1990, **126**: 299-306.
7. Werther, G. A., *et al.* *Journal of Clinical Endocrinology and Metabolism* 1990, **70**: 1725-1731.