

1. Description

Clones	Anti-His-HRP: GG11-6F4.3.2 (isotype: IgG2b) (# 130-092-785) or Anti-His-HRP (C-term.): GG11-8F3.5.1 (isotype: IgG1) (# 130-092-783).
Product format	Monoclonal mouse Anti-His antibodies conjugated to horseradish peroxidase. The peroxidase-conjugated antibodies are supplied in an aqueous saline solution, pH 6.5–7.5, and contain 0.02% methylisothiazolone (MIT) and 0.02% bromonitrodioxane (BND) as preservatives.
Product Size	100 µL.
Suggested dilution range	1:1,000–1:5,000 for ELISA and Western blotting with chromogenic substrates. 1:5,000–1:10,000 for Western blotting with ECL substrates.
Storage	For continuous use, store undiluted antibody conjugate at 2–8 °C for up to 6 months. For extended storage, the solution may be frozen in aliquots. Repeated freezing and thawing is not recommended.

Warning

Use of sodium azide as a preservative will substantially inhibit the enzyme activity of horseradish peroxidase.

Warranty

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2. Background and product applications

The Anti-His-HRP conjugate detects proteins, which are tagged with the His epitope (HHHHHH) and are expressed in prokaryotic or eukaryotic cells. Usage of Anti-His-HRP eliminates the need for a secondary detection step.

Anti-His-HRP (C-term.) shows higher sensitivity and specificity for C-terminal His-tagged proteins than the Anti-His-HRP. The latter detects both N- and C-terminal His-tagged proteins.

Example applications

- Single-step detection of His-tagged proteins by Western blot analysis or ELISA.
- Single-step detection of His-tagged proteins after isolation with µMACS His Isolation Kit (# 130-091-124) by Western blot analysis or ELISA.