

Product datasheet for **R1180HRP**

DYKDDDDK Epitope Tag Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western Blot: 1/1,000 - 1/5,000. ELISA 1/10,000 - 1/50,000. Immunofluorescence: 1/500 - 1/2,500.
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	This antibody was purified from whole rabbit serum prepared by repeated immunizations with the Enterokinase Cleavage Site (ECS) peptide DYKDDDDK (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys) conjugated to KLH using maleimide. Residues of glycine and cysteine were added to the carboxy terminal end to facilitate coupling. This antibody reacts with FLAG(TM) conjugated proteins.
Specificity:	This antibody is directed against the FLAG(TM) motif and is useful in determining its presence in various assays.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 contains 10 mg/ml BSA as stabilizer and 0.01% (w/v) Sodium Azide as preservative Label: HRP State: Lyophilized purified Ig Label: Horseradish Peroxidase
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent). For extended storage mix with glycerol to 50%.
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	HRP
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged proteins biochemical properties. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells.

Synonyms:

FLAG Epitope Tag, ECS Epitope Tag, FLAG-tag, ECS-tag, D-tag