

Datasheet for KCA383**DYKDDDDK (FLAG®) Chemiluminescent Western Blot Kit****Overview**

Description:	Chemiluminescent Western Blot Kit: DYKDDDDK (FLAG®) Chemiluminescent Western Blotting Kit - KCA383
Item No.:	KCA383
Size:	1 Kit
Applications:	WB
Reactivity:	FLAG-Tag

Product Details

Background:	The FLAG® epitope is a small but highly immunogenic peptide DYKDDDDK (N-Asp-Tyr-Lys-Asp-Asp-Asp-Lys-C) which allows fusion proteins to retain their original conformation and function. The hydrophilic character of this sequence increases the likelihood that it will be located on the surface of FLAG® -tagged recombinant proteins for reaction with anti-DYKDDDDK (FLAG®) antibodies. The anti-DYKDDDDK (FLAG®) antibody included in this Western blot kit detects FLAG® -tagged recombinant proteins fused with FLAG® tag either at the amino-terminus or carboxy-terminus of the protein.
Synonyms:	Flag Western Blot, Western Blotting Kit, Chemiluminescent Flag Kit, Immunoblotting Kit, FLAG®, HRP Anti FLAG, DDK, FLAG, FLAG antibody, anti-DDK, DDK antibody
Detection Kit Type:	Chemiluminescent Western Blot Kit

Target Details

Reactivity:	FLAG-Tag
Purity/Specificity:	This Chemiluminescent Western Blot Kit allows for the detection of FLAG® -tagged recombinant protein present in cell lysates provided by the user.
Relevant Links:	Chemiluminescent Western Blot Kit: for DYKDDDDK (FLAG®) Protocol SDS

Application Details

Tested Applications:	WB
Application Note:	Use Rockland Immuno-chemicals' Anti-DYKDDDDK (FLAG®) Chemiluminescent Kit for Western Blotting for detection of FLAG® -tagged recombinant proteins by Western blot. This kit is useful for both "Western blotting" and "dot blotting" methods. After protein separation and transfer, the membrane is probed with Anti-DYKDDDDK (FLAG®). Detection of the membrane bound antibody-antigen complex is achieved by the addition of a secondary antibody conjugated to the enzyme horseradish peroxidase. The enzyme reacts with a specialized formulation of luminol, an extremely sensitive, non-radioactive substrate that emits light and allows visualization using X-ray film or other imaging methods, including highly sensitive CCD cameras and imaging systems.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	n/a
Concentration:	n/a
Preservative:	Wash buffers MUST NOT contain SODIUM AZIDE or other inhibitors of peroxidase activity!
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	See kit insert for complete instructions.
Expiration:	See kit insert for complete instructions.

Images



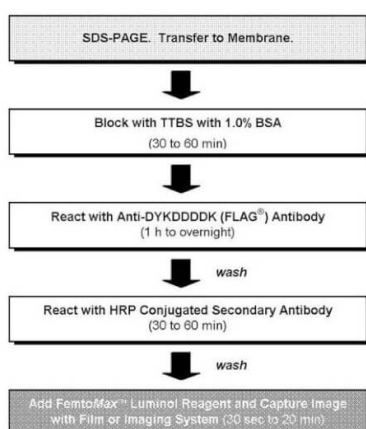
Kit Box

This product is assembled as a kit. See attached protocol or CofA for further details.



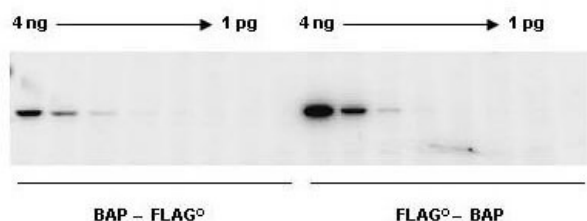
Bottle

Rockland Chemiluminescent Western Blot Kit for DYKDDDDK (FLAG®) has reagents to run up to 30 mini blots at 7.5 x 8 cm²



Western Blot

Flow Diagram for Chemiluminescent Western Blot Procedure



Western Blot

Western Blot. Anti-DYKDDDDK (FLAG®) Chemiluminescent Kit for Western blot was used to detect known amounts of bacterial alkaline phosphatase (BAP) protein containing the FLAG® epitope tag. N-terminal linked and C-terminal linked BAP were diluted into a HeLa whole cell lysates. After separation by SDS-PAGE lysates were transferred to a membrane which was blocked with 5% BLOTTO (p/n B501-0500) in TTBS for 1 h at 4 °C. The blot was probed with Anti-DYKDDDDK (FLAG®) followed by HRP anti-Mouse IgG (p/n 610-103-121) at 1:10,000 dilution in blocking buffer for 1 h at 4°C.

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