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Histone Recombinant Alpaca VHH (SdAb2511.HISTONE), MiniMab&#x2122

VHH nanobody that binds to histone H2A-H2B heterodimers, part of our MiniMab™ SdAb series that have been engineered for optimal conjugate performance.

Product Description

Histone Recombinant Alpaca VHH (SdAb2511.HISTONE) binds to histone H2A–H2B heterodimers and has broad species reactivity. This high-affinity single-domain antibody (SdAb), also known as camelid VHH or Nanobody®, is part of our MiniMab™ series of highly optimized conjugated probes. The nanobody has been validated for immunofluorescence microscopy and is available conjugated to CF® Dyes.

Features of MiniMab™ single-domain antibodies

- Superior to conventional antibodies: deeper tissue penetration, higher solubility and stability, and faster staining
- Minimal epitope-dye displacement—perfect for super-resolution imaging
- Specifically developed and optimized for immunofluorescence
- Labeled with bright, photostable CF® Dyes, including near-infrared CF®740 option
- Available as conjugates with Biotium's best-in-class dyes for STORM

Histone Recombinant Alpaca VHH (SdAb2511.HISTONE) labels chromatin throughout the cell cycle by specifically binding histone H2A–H2B heterodimers, enabling visualization of interphase chromatin, chromatin condensation, and mitotic chromosomes.

Learn more about MiniMab™ single domain antibodies paired with Biotium's industry-leading CF® Dyes for super-resolution as well as our innovative reagents for immunofluorescence microscopy; this includes our NucSpot® Nuclear Stains for bright and nuclear-specific staining in a wide color selection, and CytoLiner™ Fixed Cell Membrane Stains for robust membrane staining in formaldehyde-fixed cells.

View our full selection of primary and secondary antibodies available with bright CF® Dyes and other labels.

Product attributes

Antibody number	N008
Antibody type	Biotium Choice Primary, MiniMab™ SdAb (VHH), Primary
Clonality	Recombinant single-domain antibody
Host species	Alpaca
Clone	SdAb2511.HISTONE
Isotype	VHH
Antibody reactivity (target)	Histone H2A/H2B
Synonyms	H2A histone family member, Histone H2A-H2B heterodimers, Histone-Binding-Protein, Histone-Nanobody, and Histone-single domain antibody (sdAb)
Species reactivity	Broad reactivity
Verified antibody applications	IF (verified)
Positive control	HeLa cells.
Antibody application notes	Immunofluorescence: 0.1 ug/mL; Optimal concentration to be determined by end-user.
Antibody research areas	Cancer
Antibody/conjugate formulation	Conjugates: PBS/0.1% rBSA/0.05% azide
Shelf life	Guaranteed for at least 24 months from date of receipt when stored as recommended
Shipping condition	Room temperature
Storage Conditions	Store conjugates at 2 °C to 8 °C, Protect fluorescent conjugates from light
Regulatory status	For research use only (RUO)
Product origin	Recombinant alpaca VHH produced in E.coli, Recombinant BSA produced in Chinese hamster ovary cells

Histone Recombinant Alpaca VHH (SdAb2511.HISTONE), MiniMab™

Conjugation	Ex/Em	Conc.	STORM[1] compatibility	Catalog No.	Dye Features
CF®488A	490/516 nm	100 ug/mL	Yes	N008-488A-1ML	CF®488A Features
CF®568	562/584 nm	100 ug/mL	Yes	N008-568-1ML	CF®568 Features
CF®583R	585/609 nm	100 ug/mL	Yes	N008-583R-1ML	CF®583R Features
CF®594	593/615 nm	100 ug/mL	Yes	N008-594-1ML	CF®594 Features
CF®647	652/668 nm	100 ug/mL	Yes	N008-647-1ML	CF®647 Features
CF®660C	667/685 nm	100 ug/mL	Yes	N008-660C-1ML	CF®660C Features
CF®680	681/698 nm	100 ug/mL	Yes	N008-680-1ML	CF®680 Features
CF®740	742/767 nm	100 ug/mL	No	N008-740-1ML	CF®740 Features