

## ARG21511 anti-8 Hydroxyguanosine (8-OHdG) antibody [15A3]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [15A3] recognizes 8 Hydroxyguanosine (8-OHdG)
Tested Reactivity	Other
Tested Application	Dot, ELISA, ICC/IF, IHC-Fr, IHC-P
Specificity	Recognizes markers of oxidative damage to DNA (8- hydroxy-2' -deoxyguanosine, 8- hydroxyguanine and 8- hydroxyguanosine)
Host	Mouse
Clonality	Monoclonal
Clone	15A3
Isotype	IgG2b
Target Name	8 Hydroxyguanosine (8-OHdG)
Immunogen	8-hydroxy-guanosine-BSA and -casein conjugates
Conjugation	Un-conjugated
Alternate Names	8-Hydroxy Guanine; 8-OH-dG; 8OHG; 8OG; 8 hydroxyguanine; 8 hydroxy 2' deoxyguanosine; 8 hydroxyguanosine; 8 OHG; 8-OHG; 8OHdG

### Application Instructions

Application table	Application	Dilution
	Dot	Assay-dependent
	ELISA	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-Fr	1:1000
	IHC-P	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.1% Sodium azide and 50% Glycerol
Preservative	0.1% Sodium azide
Stabilizer	50% Glycerol

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

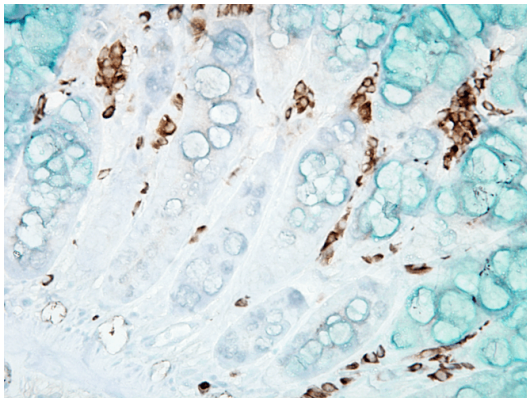
## Bioinformation

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Background	8-hydroxyguanine, 8-hydroxy-2'-deoxyguanosine and 8-hydroxyguanosine are all RNA and DNA markers of oxidative damage. 8-hydroxy-2'-deoxyguanosine is produced by reactive oxygen and nitrogen species including hydroxyl radical and peroxynitrite. Specifically its high biological relevance is due to its ability to induce G to T transversions, which is one of the most frequent somatic mutations
Highlight	Related products: <a href="#">anti-8 Hydroxyguanosine (8-OHdG) antibody [15A3]</a> Related news: <a href="#">Pericytes, new therapeutic target for Alzheimer's disease?</a>

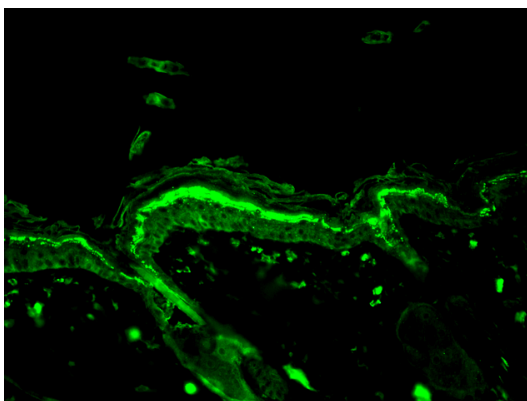
## Images

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ARG21511 anti-8 Hydroxyguanosine (8-OHdG) antibody [15A3] IHC image

Immunohistochemistry: Formalin-fixed Mouse inflamed colon stained with ARG21511 anti-8 Hydroxyguanosine (8-OHdG) antibody [15A3] at 1:1,000,000 for 12 hours at 4°C. Secondary Antibody: Biotin Goat anti-Mouse at 1:2000 for 1 hour at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 µl for 2 min at RT. Magnification: 40x.



ARG21511 anti-8 Hydroxyguanosine (8-OHdG) antibody [15A3] IHC-P image

Immunohistochemistry: Bouin's fixed and paraffin-embedded Mouse backskin stained with ARG21511 anti-8 Hydroxyguanosine (8-OHdG) antibody [15A3] at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat anti-Mouse (green) at 1:50 for 1 hour at RT.