

Glucocorticoid Receptor Monoclonal Antibody (BuGR2)

Product Details	
Size	100 µg
Species Reactivity	Guinea pig, Human, Mouse, Sheep, Rabbit, Rat, Yeast
Published Species	Yeast, Rabbit, Rat, Non-human primate, Sheep, Mouse, Human, Xenopus
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	BuGR2
Conjugate	Unconjugated
Immunogen	Partially purified rat GR.
Form	Lyophilized
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.2
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_325427

Applications	Tested Dilution	Publications
Western Blot (WB)	5 µg/mL	68 Publications
Immunohistochemistry (IHC)	-	8 Publications
Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL	-
Immunohistochemistry (PFA fixed) (IHC (PFA))	1:500	-
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	Assay-dependent	13 Publications
Flow Cytometry (Flow)	1-2 µg/test	3 Publications
ELISA (ELISA)	-	2 Publications
Immunoprecipitation (IP)	Assay-dependent	22 Publications
ChIP assay (ChIP)	-	17 Publications
Gel Shift (GS)	Assay-dependent	5 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

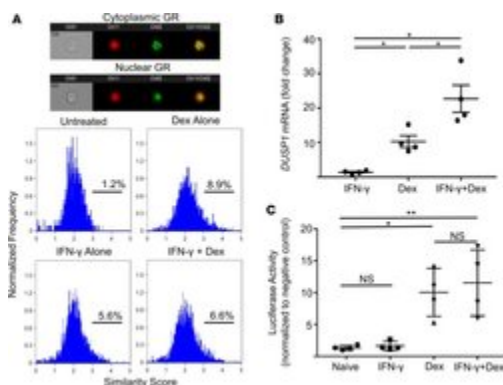
MA1-510 detects glucocorticoid receptor (GR) from human, mouse, rat, guinea pig, rabbit, sheep and yeast samples. This antibody does not react with primate, avian or amphibian GR.

MA1-510 has been successfully used in Western blot, immunofluorescence, immunocytochemistry, flow cytometry, immunohistochemistry, immunoprecipitation, and gel shift procedures. By Western blot, this antibody detects a 97 kDa protein representing GR in L929 cell extract. Immunocytochemical staining of GR in L929 cells with MA1-510 results in staining of both the cytoplasm and nucleus, even in the presence of hormone. Using enzymatic digestion analysis, MA1-510 reacts with the undigested 97 kDa GR, a 17 kDa DNA-binding trypsin fragment, and a 45 kDa steroid- and DNA-binding chymotrypsin fragment.

The MA1-510 immunogen is partially purified rat GR.

Reconstitute with 100 μ L distilled water.

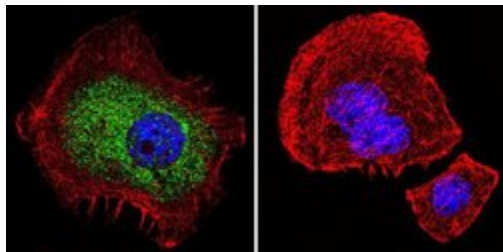
Advanced Verification Data



Glucocorticoid Receptor Antibody (MA1-510)

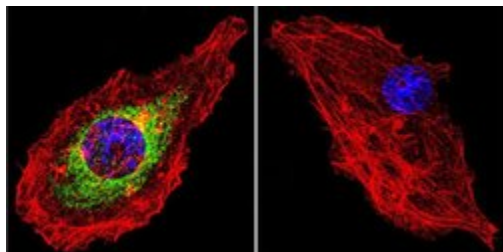
1 Time course of LPS-induced tau-P. Western blots of hippocampal extracts from wt mice that were unstressed (NS) or treated with 100 μ g/kg LPS and killed at 0, 20, 40, 60, 90, 120 or 240 min post injection. Levels of tau-P were low in NS animals, but rose either immediately after stress (PHF-1) or within 20-40 min post injection (AT8, S 422). Tau-P at the PHF-1 site was elevated to 240 min poststress, but returned to baseline by 180 min at the AT8 and S 422 sites. Due primarily to the peak seen at the AT8 site, the 40 min time point was chosen for subsequent analyses. beta-actin was used as a loading control. Cell treatment validation info.

Product Images For Glucocorticoid Receptor Monoclonal Antibody (BuGR2)



Glucocorticoid Receptor Antibody (MA1-510) in ICC/IF

Immunofluorescent analysis of Glucocorticoid Receptor using Glucocorticoid Receptor Monoclonal Antibody (BuGR2) (Product # MA1-510) shows staining in A549 Cells. Glucocorticoid Receptor (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with an antibody recognizing Glucocorticoid Receptor (Product # MA1-510) at a dilution of 1:100 over night at 4 $^{\circ}$ C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35552 for GAR, Product # 35503 for GAM). Images were taken at 60X magnification.



Glucocorticoid Receptor Antibody (MA1-510) in ICC/IF

Immunofluorescent analysis of Glucocorticoid Receptor using Glucocorticoid Receptor Monoclonal Antibody (BuGR2) (Product # MA1-510) shows staining in U251 Cells. Glucocorticoid Receptor (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with an antibody recognizing Glucocorticoid Receptor (Product # MA1-510) at a dilution of 1:100 over night at 4 $^{\circ}$ C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35552 for GAR, Product # 35503 for GAM). Images were taken at 60X magnification.

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Western Blot (68)

Cell death discovery

Cardiomyocyte-restricted high-mobility group box 1 (HMGB1) deletion leads to small heart and glycolipid metabolic disorder through GR/PGC-1 signalling.

"Published figure using Glucocorticoid Receptor monoclonal antibody (Product # MA1-510) in ChIP assay"

Authors: Yu P,Liu M,Zhang B,Yu Y,Su E,Xie S,Zhang L,Yang X,Jiang H,Chen R,Zou Y,Ge J

Species
Mouse
Not Applicable

Dilution
Not Cited
Not Cited

Year
2020

Neurobiology of pain (Cambridge, Mass.)

Chronic inflammatory pain alters alcohol-regulated frontocortical signaling and associations between alcohol drinking and thermal sensitivity.

"Published figure using Glucocorticoid Receptor monoclonal antibody (Product # MA1-510) in Western Blot"

Authors: Adrienne McGinn M,Edwards KN,Edwards S

Species
Rat
Not Applicable

Dilution
1:1000
Not Cited

Year
2020

[View more WB references on thermofisher.com](#)

Immunohistochemistry (8)

Reproductive sciences (Thousand Oaks, Calif.)

Effects of maternal dexamethasone treatment early in pregnancy on glucocorticoid receptors in the ovine placenta.

"Published figure using Glucocorticoid Receptor monoclonal antibody (Product # MA1-510) in Immunohistochemistry"

Authors: Shang H,Meng W,Sloboda DM,Li S,Ehrlich L,Plagemann A,Dudenhausen JW,Henrich W,Newnham JP,Challis JR,Braun T

Species
Sheep

Dilution
1:50

Year
2015

FEBS open bio

Specificity in the actions of the UBR1 ubiquitin ligase in the degradation of nuclear receptors.

"MA1-510 was used in immunohistochemistry to study UBR1 ubiquitin ligase specificity in respect of the nuclear receptors it degrades"

Authors: Sultana R,Theodoraki MA,Caplan AJ

Species
Mouse

Dilution
Not Cited

Year
2013

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

- IHC (F) (1)
- ICC/IF (13)
- Flow (3)
- ELISA (2)
- IP (22)
- ChIP (17)
- GS (5)
- Misc (1)

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