

Glucocorticoid Receptor Monoclonal Antibody (BuGR2)

Product Details	
Size	100 µg
Species Reactivity	Guinea pig, Human, Mouse, Sheep, Rabbit, Rat, Yeast
Published Species	Rabbit, Rat, Yeast, 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	70 Publications
Immunohistochemistry (IHC)	-	9 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)	-	18 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.

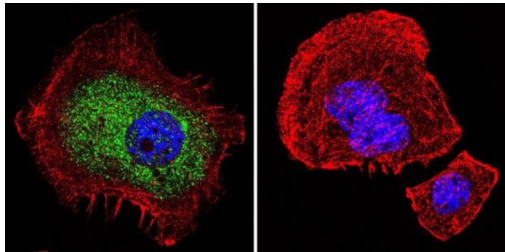
MA1-510 has been successfully used in Western blot, immunofluorescence, immunocytochemistry, flow cytometry, immunohistochemistry, immunoprecipitation, and gel shift procedures. By Western blot, this antibody detects a 97 kDa protein representing GR in L929 cell extract. Immunocytochemical staining of 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.

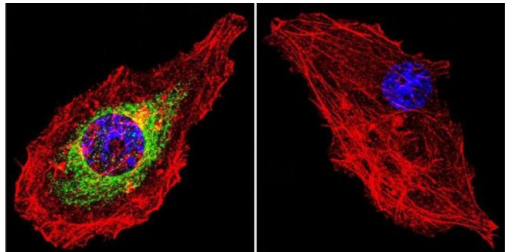
The MA1-510 immunogen is partially purified rat GR.

Reconstitute with 100 µL distilled water.

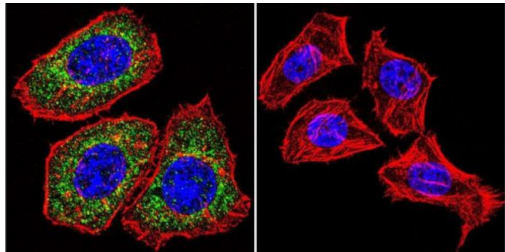
Product Images For Glucocorticoid Receptor Monoclonal Antibody (BuGR2)



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 °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 °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 Hela 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 °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 (70)

Frontiers in molecular neuroscience	Year 2024
Prolonged maternal exposure to glucocorticoids alters selenoprotein expression in the developing brain.	
"Published figure using Glucocorticoid Receptor monoclonal antibody (Product # MA1-510) in Western Blot"	
Authors: Toh P,Seale LA,Berry MJ,Torres DJ	
Journal of neuroendocrinology	Year 2023
Prolactin and glucocorticoid receptors in the prefrontal cortex are associated with anxiety-like behavior in prenatally stressed adolescent offspring rats.	Species Rat
"MA1-510 was used in Western Blotting to study the roles of PRL, corticosterone (CORT), and their receptors in PS-induced anxiety-like behavior in dams and their offspring and investigate whether chewing during maternal stress could prevent PS-induced harmful consequences."	Dilution 1:1000
Authors: Yao D,Lu Y,Li L,Wang S,Mu Y,Ding C,Zhao J,Liu M,Xu M,Wu H,Dou C,Zhu Z,Li H	

View more WB references on thermofisher.com

Immunohistochemistry (9)

iScience	Year 2022
Loss of central mineralocorticoid or glucocorticoid receptors impacts auditory nerve processing in the cochlea.	Species Mouse
"MA1-510 was used in Immunohistochemistry to imply that stress hormone-dependent functions of central MR/GR contribute to "precognitive" sound processing in the cochlea."	Dilution 1:500
Authors: Marchetta P,Eckert P,Lukowski R,Ruth P,Singer W,Rüttiger L,Knipper M	
Reproductive sciences (Thousand Oaks, Calif.)	Year 2015
Effects of maternal dexamethasone treatment early in pregnancy on glucocorticoid receptors in the ovine placenta.	Species Sheep
"Published figure using Glucocorticoid Receptor monoclonal antibody (Product # MA1-510) in Immunohistochemistry"	Dilution 1:50
Authors: Shang H,Meng W,Sloboda DM,Li S,Ehrlich L,Plagemann A,Dudenhause JW,Henrich W,Newnham JP,Challis JR,Braun T	

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More applications with references on thermofisher.com

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- GS (5)
- Misc (1)

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