

donkey anti-mouse IgG-HRP: sc-2318

BACKGROUND

Santa Cruz Biotechnology's secondary antibodies are available conjugated to either an enzyme, biotin or fluorophore for use in a variety of antibody-based applications including Western Blot, immunostaining, flow cytometry and ELISA. We offer Cruz Marker™ compatible secondary antibodies, which are used in conjunction with Santa Cruz Biotechnology's Cruz Marker™ molecular weight standards. Cruz Marker™ compatible secondary antibodies recognize an epitope common to each of the Cruz Marker™ molecular weight standards and are provided as horseradish peroxidase (HRP) and alkaline phosphatase (AP) conjugated secondary antibodies for detection of mouse, goat, rabbit and rat primary antibodies. Pre-adsorbed HRP and AP conjugated Cruz Marker™ compatible secondary antibodies are also available and are recommended for use with immunoglobulin-rich samples.

SOURCE

donkey anti-mouse IgG-HRP is a CruzMarker™ compatible, affinity purified secondary antibody raised in donkey against mouse IgG and conjugated to HRP (horseradish peroxidase).

PRODUCT

Each vial contains 200 µg IgG in 0.5 ml of 1X PBS containing 40% glycerol.

APPLICATIONS

donkey anti-mouse IgG-HRP is recommended for detection of mouse IgG by Western Blotting (starting dilution: 1:2000, dilution range 1:2000-1:10000; starting dilution to be determined by titration).

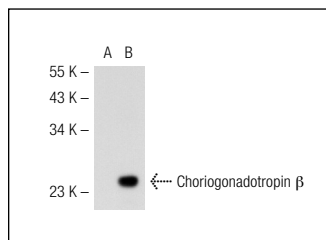
RECOMMENDED SUPPORT PRODUCTS

- UltraCruz™ Tissue Culture Dish, 100 mm polystyrene dish: sc-200286
- UltraCruz™ Cell Scrapers, 25 cm, sterile, 100 per case: sc-213229
- RIPA Lysis Buffer, 50 ml, cell lysis buffer with protease inhibitors: sc-24948
- Complete™ Protease Inhibitor Cocktail Tablet, 20 tablets: sc-29130
- Electrophoresis Sample Buffer, 2X, 25 ml, reducing buffer: sc-24945
- UltraCruz™ PVDF Transfer membrane, 0.45 µm, 30 cm x 3 m roll: sc-3723
- UltraCruz™ Nitrocellulose Pure Transfer Membrane, 0.22 µm, 30 cm x 3 m roll: sc-3718
- Cruz Blot-A: sc-3901 (Western blotting membrane with human cell line extracts from 10 different cell types)
- Running Buffer, 10X, 1 L, TRIS-Glycine WB running buffer, pH 8.3: sc-24949
- Towbin, with SDS, 10X, 1 L, WB transfer buffer pH 8.3: sc-24954
- Bovine Serum Albumin (BSA), 100 g, blocking/incubation agent: sc-2323
- TBS Blotto A, lyophilized powder in single-use bottle: sc-2333
- Western Blotting Luminol Reagent, for 2,000 cm² membrane area: sc-2048
- UltraCruz™ Electrophoresis Cell: sc-201625 : runs up to 10 or 15 sample by SDS – PAGE protein electrophoresis
- UltraCruz™ Autoradiography Film, Blue, 8 x 1, 100 sheets: sc-201697
- Cruz Marker™ Molecular Weight Standards, for 50 gels: sc-2035

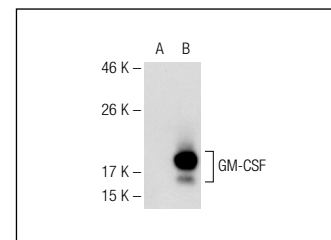
STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

DATA



donkey anti-mouse IgG-HRP: sc-2318. Western blot analysis of Choriogonadotropin β expression in non-transfected: sc-117752 (A) and human Choriogonadotropin β transfected: sc-111665 (B) 293T whole cell lysates. Antibody tested: Choriogonadotropin β (2F4/3): sc-80749.



donkey anti-mouse IgG-HRP: sc-2318. Western blot analysis of GM-CSF expression in non-transfected: sc-117752 (A) and human GM-CSF transfected: sc-111983 (B) 293T whole cell lysates. Antibody tested: GM-CSF (NYRhGMCSF): sc-73290.

SELECT PRODUCT CITATIONS

- Beswick, E.J., et al. 2006. *Helicobacter pylori* CagA-dependent macrophage migration inhibitory factor produced by gastric epithelial cells binds to CD74 and stimulates procarcinogenic events. J. Immunol. 176: 6794-6801.
- Rodriguez, S.K., et al. 2006. Green tea catechin, epigallocatechin-3-gallate, inhibits vascular endothelial growth factor angiogenic signaling by disrupting the formation of a receptor complex. Int. J. Cancer 118: 1635-1644.
- Madeo, A., et al. 2010. Nuclear alternate estrogen receptor GPR30 mediates 17β-estradiol-induced gene expression and migration in breast cancer-associated fibroblasts. Cancer Res. 70: 6036-6046.
- Recchia, A.G., et al. 2011. The G protein-coupled receptor 30 is up-regulated by hypoxia inducible factor-1α (HIF-1α) in breast cancer cells and cardiomyocytes. J. Biol. Chem. 286: 10773-10782.
- Lappano, R., et al. 2011. The cholesterol metabolite 25-hydroxycholesterol activates estrogen receptor α-mediated signaling in cancer cells and in cardiomyocytes. PLoS ONE 6: e16631.
- Stanojevic, I., et al. 2011. Ontogenetic profile of ecto-5'-nucleotidase in rat brain synaptic plasma membranes. Int. J. Dev. Neurosci. 29: 397-403.
- Lappano, R., et al. 2012. MIBE acts as antagonist ligand of both estrogen receptor α and GPER in breast cancer cells. Breast Cancer Res. 14: R12.
- Lappano, R., et al. 2012. Two novel GPER agonists induce gene expression changes and growth effects in cancer cells. Curr. Cancer Drug Targets 12: 531-542.
- De Marco, P., et al. 2012. Insulin-like growth factor-I regulates GPER expression and function in cancer cells. Oncogene. E-published.

RESEARCH USE

For research use only, not for use in diagnostic procedures.