R&D® Ab
Research & Diagnostic Antibodies
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SLURP-2 Monoclonal Antibody 341F10-1F12

Supplied as Sterile Culture Supernatant

MC-6411 Lot # 10779

This sterile filtered culture supernatant contains mouse IgG class monoclonal antibody (mAb) that was developed against a peptide analogue of SLURP-2 (4-17) and that has been shown to be specific for intact SLURP-2. This MAb has been found to stain specifically SLURP-2 in western immunoblots and by immunocytochemistry. The SLURP-2 mAb was tested for cross reactivity with SLURP-1 by ELISA, western immunoblotting, and immunocytochemical techniques. Each vial contains 1.0 ml of culture supernatant. Thaw the sterile culture supernatant and aseptically aliquot into convenient size portions: store the aliquots frozen at -20^{o}C until needed. After thawing an aliquot, store it at 4^{o}C. Do not subject this mAb to repeated freeze/thaw cycles.

Amino acids used as Antigen: SLURP-2(Ac-4-17)$_{cyclized}$
Carrier: KLH

Monoclonal Antibody Specificity

Polypeptide	% Cross Reactivity
SLURP-2	100
SLURP-1	0

Immunocytochemical Staining of fresh frozen human skin

This monoclonal antibody containing culture supernatant has been found to stain fixed normal human skin using a 1:20 dilution which was incubated overnight.

Western Immunoblotting

Western immunoblots resulted in a single band being detected at ~22 kDa at a dilution of 1:100

Western Blotting Protocol

1. After SDS-PAGE (on either 4-15% gradient gels or single percentage gels, such at 12.5% gels) and electrophoretic transfer to PVDF membrane, block the membrane overnight with 4% normal goat serum in TBS/Tween-20 buffer.
2. Wash x 2 with TBS/Tween-20.
3. Apply the mouse monoclonal antibody after preparing a 1:100 dilution. Use 2% normal goat serum in TBS/Tween-20 as buffer, and let the primary antibody bind for 2-4 hours.
4. Wash x 3 with TBS/Tween-20.
5. Apply affinity purified HRP-goat anti-mouse IgG antiserum diluted 1:2500 (dilution may vary depending upon supplier) in 2% normal goat serum in TBS/Tween-20. Incubate 1-2 hours. Note: greater sensitivity may be achieved using ABC techniques.
6. Wash x 4 for 5 min per wash in TBS/Tween-20 buffer.
7. Develop color using the enhanced DAB reaction.

Reference: Arredondo et. al., J cell Physiol. 208:238-45, 2006