

Monoclonal Antibody to Trophoblast Protein - Supernatant

Catalog No.:	SM1479
Quantity:	2 ml
Host / Isotype:	Mouse / IgM
Clone:	NDOG1
Immunogen:	Human trophoblast membranes.
Format:	State: Liquid Tissue Culture Supernatant. Buffer System: 0.2M Tris/HCl pH7.4 and 5-10% foetal calf serum with 0.09% Sodium Azide as preservative.
Applications:	Flow cytometry (neat-1/10). Immunohistology on frozen sections (neat - 1/10). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	NDOG1 demonstrates a striking and consistent immunohistological reactivity around sites of trophoblastic invasion in the human placenta. Despite preliminary data suggesting that this antibody recognises hyaluronic acid, it has not been possible to confirm the precise antigenic reactivity of this reagent. Although the immunohistological staining of placenta is abolished by treatment with hyaluronidase, it has not been possible to demonstrate binding of the antibody to purified hyaluronic acid. Species: Human, cynomolgus monkey. Does not cross-react with rat. Other species not tested.
Storage:	Store the antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Sunderland CA, Redman CW, Stirrat GM. Monoclonal antibodies to human syncytiotrophoblast. <i>Immunology</i> . 1981 Jul;43(3):541-6. PubMed PMID: 6788684. 2. Sunderland CA, Bulmer JN, Luscombe M, Redman CW, Stirrat GM. Immunohistological and biochemical evidence for a role for hyaluronic acid in the growth and development of the placenta. <i>J Reprod Immunol</i> . 1985 Nov;8(2-3):197-212. PubMed PMID: 3912503. 3. Comper WD, Laurent TC. Physiological function of connective tissue polysaccharides. <i>Physiol Rev</i> . 1978 Jan;58(1):255-315. PubMed PMID: 414242. 4. Cidadão AJ, Thorsteinsdóttir S, David-Ferreira JF. Immunocytochemical study of tissue distribution and hormonal control of chondroitin-, dermatan- and keratan sulfates from rodent uterus. <i>Eur J Cell Biol</i> . 1990 Jun;52(1):105-16. PubMed PMID: 2143723.