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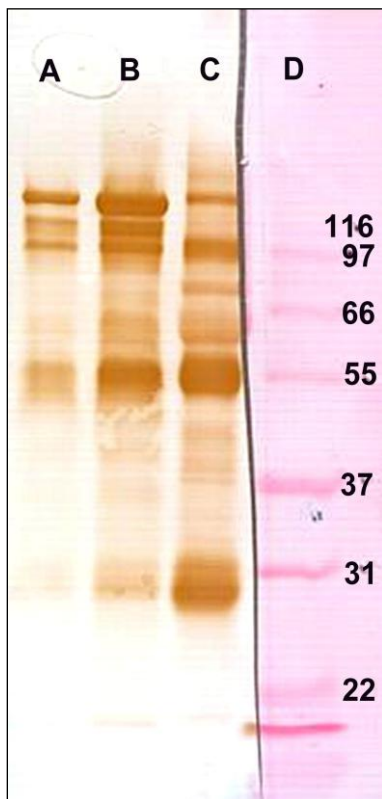
Polyclonal Antibody To Human and Porcine CD163

Rabbit Anti Human/Porcine Haemoglobin-Haptoglobin Scavenger Receptor

This polyclonal antibody recognizes a membrane glycoprotein on human/porcine monocytes and macrophages which is expressed in intermediate and late inflammatory stages. CD163 is a scavenger receptor for the haemoglobin-haptoglobin complex, and is upregulated by glucocorticoids and IL-10. The extracellular portion of the receptor is regularly shed and can be found in the circulation (see also our product S-1015, sCD163 ELISA). An important function of CD163 seems to be in the adhesion of monocytes to activated endothelial cells. CD163-positive cells include skin histiocytes, Kupffer cells, spleen macrophages of the red pulp, and some thymus macrophages. The antigen is also found abundantly in human term placenta, and regularly in acute and chronic inflammatory lesions.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1514 (Lot 02PS23049)
Clone:	Polyclonal antibody
Host species, isotype:	Rabbit IgG
Quantity:	200µg (1mg)
Format:	Affinity purified, liquid This stock solution contains 5mg/ml rabbit IgG, phosphate buffered saline pH 7.2 (PBS) and 0.09% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase.
Applications:	Tested for immunohistochemistry (IHC). Approximate working dilution for IHC: Frozen sections: 1:3000 Paraffin sections: 1:300; pretreatment with Proteinase K for antigen retrieval is recommended Optimal dilutions should be determined by the end user. Suggested positive control: human placenta Please see www.bma.ch for protocols and general information.
Immunogen:	Partially purified CD163 from human placenta.
Protein database:	<u>human-Q86VB7</u> , <u>pig-Q2VL90</u>
Antigen, epitope:	Human CD163 migrates as a 130kDa band in PAGE.
Species specificity:	Human, swine, other species not tested.



Western Blot of reduced placenta extract. Proteins were reduced with 10mM dithiothreitol and separated on a 10% Tris/Glycin gel. Proteins were blotted onto nitrocellulose and incubated with a 1:1000 dilution of primary antibody, followed by peroxidase-coupled goat anti rabbit secondary antibody. Diaminobenzidine was used as chromogen.

Lane A: CD163 antigen (1µg); lane B: CD163 antigen (4µg); lane C: human placenta extracted with 1% Nonidet P-40 in 50mM Tris pH 7.6; lane D: Ponceau staining of reference proteins.

For in vitro research only. This product contains sodium azide as a preservative.

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