

Mouse anti-Human Hemoglobin Monoclonal Antibody | anti-LOC541815 antibody

Mouse Monoclonal [clone M1709Hg2] (IgG1) to Human Hemoglobin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52542	Mouse	Human	Lateral Flow, ELISA, Immunohistochemistry

PRODUCT SYNONYMS

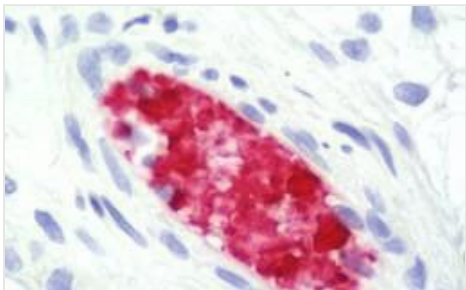
Hemoglobin; Monoclonal Antibody; Mouse Monoclonal [clone M1709Hg2] (IgG1) to Human Hemoglobin; Anti-Hemoglobin Antibody (clone M1709Hg2) IHC-plus; Human Hemoglobin; anti-LOC541815 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M1709Hg2
Specificity	Human Hemoglobin
Purity/Purification	Ion exchange chromatography
Form/Format	50 mM NaCl, 10mM PBS (pH 8.0) with 0.1% sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	165
Applicable Applications for anti-LOC541815 antibody	LF (Lateral Flow), ELISA, IHC (Immunohistochemistry)
Immunogen Species	Hemoglobin antibody was raised against Human
Immunogen Description	Human hemoglobin.
Target	hemoglobin
Antigen Type	Purified protein
Immunogen	Hemoglobin antibody was raised against human hemoglobin.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-Hemoglobin antibody IHC staining of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	162462053
NCBI GeneID	541815
NCBI Accession #	NP_001104966.1
NCBI GenBank Nucleotide #	NM_001111496.1
NCBI Official Full Name	hemoglobin
NCBI Official Symbol	LOC541815
NCBI Protein Information	hemoglobin; GRMZM2G067402; non-symbiotic hemoglobin; reversible oxygen binding

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/hemoglobin-antibody-clone-m1709hg2-lateral-flow-immunohistochemistry-elisa/52542>