Product datasheet for TA372503S

HLAC (HLA-C) Rabbit Polyclonal Antibody

Product data:

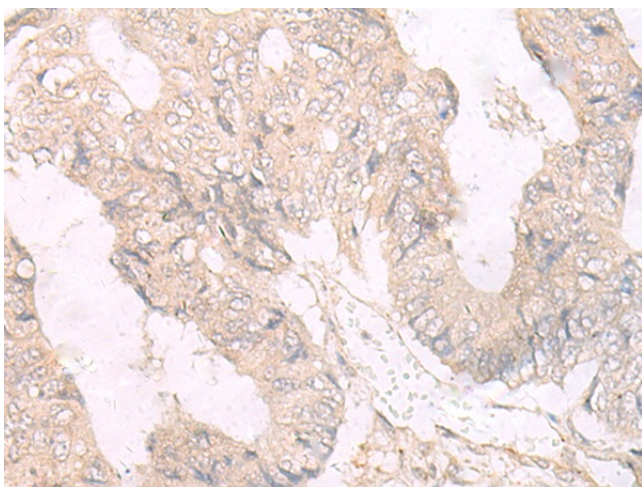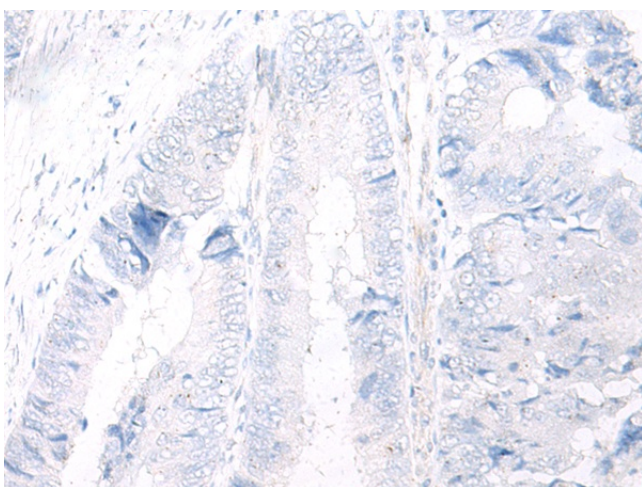|	
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human colorectal cancer Predicted cell location: Cell membrane
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human HLA-C
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Gene Name:	major histocompatibility complex, class I, C
Database Link:	Entrez Gene 3107 Human P10321

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Background: HLA-C belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domain, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Over one hundred HLA-C alleles have been described
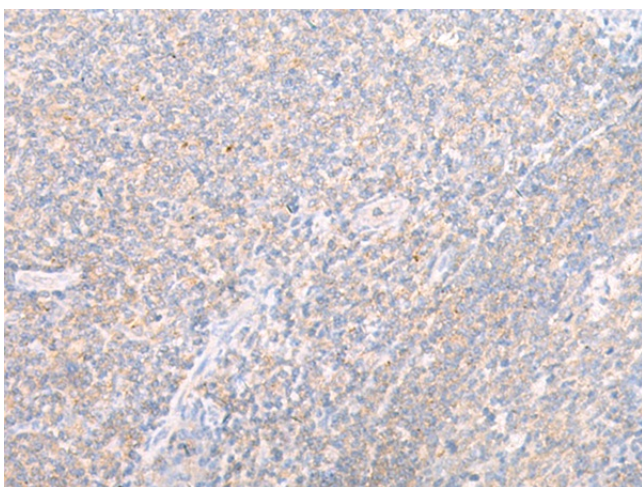
Synonyms: D6S204; HLA-Cw*050x; HLA-JY3; HLC-C; PSORS1
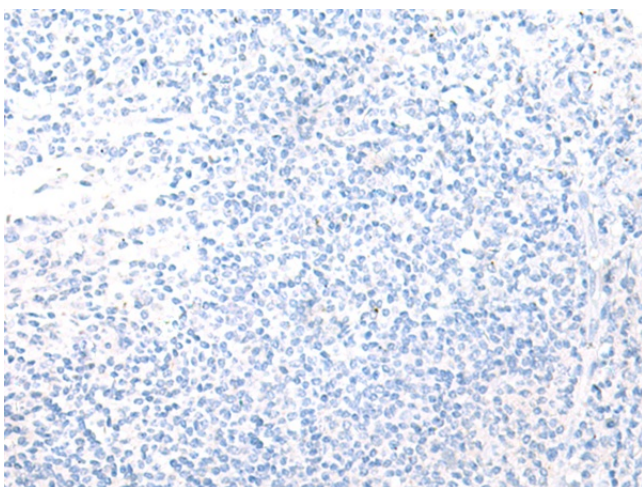
Product images:

Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA372503] (HLA-C Antibody) at dilution 1/30 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA372503] (HLA-C Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA372503] (HLA-C Antibody) at dilution 1/30 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA372503] (HLA-C Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: ×200)